LIBRARY
FEB 2000
National Oceanic & Atmospheric Administration
U.S. Dept. of Commerce

QC
990
.I39
.I529
1905

ANNUAL SUMMARY, 1905.

INTRODUCTION.

The present annual summary completes the discussion of the meteorology of India for the year 1905.

It should be noted that in the monthly reviews an attempt is made to present the facts and data from two different points of view. Meteorological data in India are chiefly utilized for the following purposes :—

1st.—In the discussion of the prevalence and spread of diseases.

2nd.—In connection with agricultural questions, and especially with the progress and character of the crops as influenced by weather conditions.

India has hence been divided into two groups of divisions from what may be termed the medical and agricultural standpoints For the comparison of medical and meteorological statistics, India is arranged into the following provinces, which are believed to be fairly homogeneous so far as the conditions of the prevalence of the more common diseases are concerned :—

(1) Burma Coast and Bay Islands.
(2) Burma Inland.
(3) Assam.
(4) Bengal and Orissa.
(5) Gangetic Plain and Chota Nagpur.
(6) Upper Sub-Himalayas, including the west sub-montane districts of the United Province and the sub-montane districts of the Punjab and the meteorological divisions of the South-East, South and Central Punjab.
(7) Indus Valley and North-West Rajputana.
(8) East Rajputana, Central India, and Gujarat.
(9) Deccan.
(10) West Coast.
(11) South India.

The data for each of these divisions are given in Table I in large figures, and the portion of each monthly review, entitled "Summary of the chief features of the weather in India during the month," is intended to give a sketch of the broader and more important features of the weather in India for the use of those who study the relations between the prevalence of diseases and the weather conditions prevailing at the time in India.

According to the second method of arrangement, India is divided, from the agricultural standpoint, into 57 meteorological districts or divisions each of which is fairly homogeneous so far as the distribution of rainfall, the general character of the crops, and the conditions of their growth are concerned. The following are the two series of divisions arranged under the respective political areas or provinces to which they belong :—

Political Division or Province.	Meteorological Division.	Meteorological Province.
BURMA	Tenasserim and Bay Islands.	Burma Coast and Bay Islands.
	Lower Burma	
	Arakan	
	Central Burma	Burma Inland.
	Upper Burma	
ASSAM	Assam (Surma)	Assam.
	" (Brahmaputra)	
BENGAL	East Bengal	Bengal and Orissa.
	Deltaic Bengal	
	Central Bengal	
	North Bengal	
	Orissa	
	Chota Nagpur	Gangetic Plain and Chota Nagpur.
	South Bihar	
	North Bihar	
UNITED PROVINCES OF AGRA AND OUDH.	United Provinces, East	
	United Provinces, Central	
	South Oudh	
	North Oudh	
	United Provinces, East Sub-montane.	
	United Provinces, West Sub-montane.	Upper Sub-Himalayas.
PUNJAB AND NORTH-WEST FRONTIER PROVINCE.	South-East Punjab	
	South Punjab	
	Central Punjab	
	Punjab Sub-montane	
	N.-W. F. Province	Indus Valley and North-West Rajputana.
	West Punjab	
BOMBAY NORTH	Sind	
	West Rajputana	
RAJPUTANA AND CENTRAL INDIA.	Central India, East	East Rajputana, Central India and Gujarat.
	Rajputana. East, Central India, West.	
BOMBAY, NORTH	Kathiawar and Cutch	
	Gujarat	
UNITED PROVINCES	United Provinces, West	

National Oceanic and Atmospheric Administration

Environmental Data Rescue Program

ERRATA NOTICE

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages
Faded or light ink
Binding intrudes into the text

This document has been imaged through the NOAA Environmental Data Rescue Program. To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or www.reference@nodc.noaa.gov.

Information Manufacturing Corporation
Imaging Subcontractor
Rocket Center, West Virginia
September 14, 1999

Political Division or Province.	Meteorological Division.	Meteorological Province.
BOMBAY	Bombay Deccan	Deccan.
	Khandesh	
CENTRAL PROVINCES	Berar	
	Central Provinces, West	
	" " Central	
	" " East	
HYDERABAD OR THE NIZAM'S DOMINIONS.	Hyderabad, North	
	" South	
BOMBAY	Konkan	West Coast.
	Malabar	
MADRAS	Madras, South	South India.
	" " Central	
	" East Coast, South	
	" Central	
	" East Coast, Central	
	" East Coast, North	
COORG AND MYSORE	Coorg	
	Mysore	
HILL DISTRICTS	Assam Hills	Hills.
	Bengal Hills	
	United Provinces Hills	
	Punjab and North-West Frontier Province Hills.	
	Baluchistan Hills	

The double grouping is shown in Plate I at the end of this summary.

The data of Table I in the monthly reviews and in the present annual part are obtained, with a few exceptions, from the observations telegraphed daily to Simla for publication in the Daily Weather Report. In the case of thermometric observations, they are telegraphed to the nearest half degree. Hence the maximum and minimum temperature data of the second class observatories derived from these telegraphic reports and given in Table I occasionally differ to some slight extent from the means of the more exact data (recorded to the tenth of a degree) tabulated in the observation forms sent to the Calcutta Office, and used in the calculation of the mean temperature data in Table II. There is also another reason why the mean maxima and minima data in Tables I and II differ to a slight extent. In Table I the daily or 24-hour period is assumed to end at 8 hrs. and in Table II at midnight (except for rainfall, the period of which ends at 8 hrs.), and hence the maximum temperature in Table I for any month of thirty-one days at any station gives the mean for thirty-one periods of 24 hours ending at 8 hrs. of the 31st, and in Table II for the same number of 24-hour periods ending at midnight on the 31st, and hence virtually of a monthly period one day in advance of the former. Similarly for months of 28, 29 or 30 days. These remarks will explain some of the slight discrepancies which may be found between the maxima and minima temperature mean data in Tables I and II, and hence also in the monthly mean departure data given in these tables in the monthly reviews and annual summary.

The methods of exposure of the instruments at observatories in India, and of the reduction of the observations and the caculation of mean data, have been fully stated and explained in the Annual Reports on the Meteorology of India, and need not be repeated. The reader is referred more especially to the Annual Report of the year 1885 and to the "Instructions to observers of the Indian Meteorological Department" for full information on this subject.

Solar, magnetic and seismic activity.

Report from Kodaikanal Observatory.

Sunspots.—The year was one of increasing solar activity as shown both by the number and by the great size of the spot groups, and the total area of spots during 1905 was probably nearly double that in 1904.

The following table shows the monthly numbers of new groups observed in the period 1902—1905:—

Year.	New groups observed.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902	4	2	3	2	3	2	2	5	5	5	4	4	41
1903	6	7	5	13	11	10	10	18	9	12	17	25	143
1904	13	11	22	19	26	12	15	24	17	21	29	30	239
1905	24	26	20	27	27	17	32	28	27	16	29	22	295

During the first half of the year, with the exception of May, the spots were nearly equally divided between the two hemispheres, but during the second half of the year, with the exception of November, the number of spots in the northern hemisphere considerably exceeded the number in the southern. In May 20 out of 27 and in August 22 out of 28 new groups were in the northern hemisphere. For the whole year there were 169 new groups in the northern and 126 in the southern hemisphere. The distribution of the spots in latitude was fairly normal. In October the spot activity was practically confined to a belt lying between 17° north and 19° south, and towards the close of the year the distribution was that which is usually associated with a sunspot maximum.

The most interesting feature of the sun's activity during the year was the series of great groups, easily visible to the naked eye, which succeeded each other at comparatively short intervals from January to November. The first of these was seen as a quite insignificant group early in January, but on its return on January 29th it had developed enormously and was now a group of the largest size. On February 4th its greatest length was about 110,000 miles and its greatest breadth 59,000 miles. The umbra of the chief spot measured about 21,000 by 13,000 miles, while the flocculi associated with it covered some 16,000 million square miles. Great eruptions of hot gases were observed in the umbra and lines due to hydrogen, helium, calcium, sodium, iron, and nickel were brightly reversed. Displacements of hydrogen and helium lines were frequently observed. These observations showed that it was not only a very large, but also a very active spot and, as was to be expected in such a case, large magnetic disturbances were recorded near the time of its crossing the central meridian. It was seen during four rotations and lasted for a little over three months.

Other great spots of the year were those which appeared first on July 10th, October 14th, and October 22nd. In November there appeared a number of groups following each other so closely that on the 12th no less than 9 groups were visible at once, arranged in two rows roughly parallel to the equator. Each group consisted of a long train of spots, and in the northern hemisphere the spectroheliograms showed a practically continuous band of very bright flocculi.

Prominences.—The prominences observed in 1905 were largely in excess of those observed in 1904. The mean height was also considerably greater. The chief features are shown in the following table:—

Year.	Days of observation.	Total number observed.	Mean daily frequency.		Mean height.	Mean heliographic latitude.	
			North.	South.		North.	South.
1904	241	2708	5·4	5·8	26·5	35·4	38·3
1905	305	4757	7·8	7·8	31·4	37·3	38·3

There are two well marked regions of maximum frequency in each hemisphere, and these change somewhat in position during the sunspot cycle. They are shown for the years 1904 and 1905 in the following table:—

Year.	Regions of maximum frequency.			
	North.		South.	
1904	20°—30°	50°—60°	30°—40°	50°—60°
1905	20—30	60—70	20—30	60—70

It will be noticed that while in both hemispheres the maximum in higher latitudes moved polewards the maximum in lower latitudes remained constant in the northern hemisphere and moved towards the equator in the southern. The tallest prominence recorded during the year was one photographed on February 20th. When first photographed at 8 h. 36 m. it had a height of 95,000 miles and when last photographed at 10 h. 14 m. it had reached a height of at least 162,000 miles and the top was beyond the limits covered by the plate. Metallic prominences and prominences showing motion in the line of sight were, as is natural towards the epoch of maximum, numerous.

C. Michie Smith,

Director, Kodaikanal and Madras Observatories.

The Colaba Magnetic Record, 1905.

The mean absolute values for the year of the different magnetic elements corrected for 24 hours of tabulation are as follow :—

Declination	0° 14′·0 East.
Horizontal Force	0·37382 C. G. S. unit.
Vertical Force	0·15084
Dip	21° 58′·5

During the year there were 6 days as against 3 in 1904 on which the disturbances recorded were classed as great, on the 3rd February, 2nd March, 1st April, 12th November, 15th November, and 16th November. There were 20 as against 30 days classed as moderate and 193 as against 175 days classed as small disturbance. There were 146 calm days as against 158 of 1904.

The following is a list of quiet days selected for the purposes of the Magnetic Survey :—

Month.	Selected quiet days.				
January . . .	2	8	13	27	30
February . . .	8	9	13	19	22
March . . .	9	11	13	18	26
April . . .	8	11	14	18	24
May	5	11	15	21	26
June	2	13	18	19	25
July	4	11	15	21	26
August . . .	1	10	19	21	26
September . . .	2	7	16	20	29
October . . .	3	10	12	23	30
November . . .	1	8	11	26	30
December . . .	1	8	17	22	27

For the selection of quiet days at Colaba besides the two points usually considered, (1) typically undisturbed days, (2) the distribution of the days so selected as to have their mean coincident with the middle of the month,—the value of the daily mean is also, in doubtful cases, taken into account as a high value usually indicates quieter conditions.

Table I gives the corrected monthly absolute values of the several magnetic elements as also the summed ranges of the Horizontal Force. In Table II will be found a list of seismic disturbances and in Table III movements in the magnetograph traces suspected to be due to seismic causes indicating a sudden strain :—

TABLE I.—*Monthly values of magnetic elements.*

Months, 1905.	Absolute values of				Horizontal Force summed ranges in C. G. S. unit.
	Horizontal Force in C. G. S. unit.	Vertical Force in C. G. S. unit.	Dip.	Easterly declination.	
			° ′	° ′ ″	
January . . .	·37382	·15033	21 54·5	0 14 17	·00206
February . . .	·37379	·15056	21 56·4	0 14 9	·00282
March . . .	·37385	·15056	21 56·2	0 6	·00391
April	·37374	·15036	21 54·9	0 14 24	·00349
May	·37385	·15060	21 56·5	0 13 58	·00318
June	·37388	·15072	21 57·3	0 14 27	·00370
July	·37388	·15113	22 0·6	0 13 40	·00337
August . . .	·37382	·15108	22 0·4	0 13 59	·00311
September . . .	·37380	·15118	22 1·2	0 13 56	·00258
October . . .	·37378	·15113	22 0·9	0 13 46	·00318
November . . .	·37373	·15111	22 0·9	0 13 32	·00369
December . . .	·37394	·15130	22 1·7	0 13 29	·00241

TABLE II.—*Disturbances recorded by Milne's Seismograph.*

Date 1905.	P. T. Commence.		L. W. Commence.		Max.		End.		Max. Amplitude.	Duration.		Remarks.
	H.	M.	H.	M.	H.	M.	H.	M.	M.M.	H.	M.	
January 22	2	52·9	...		3	21·2	4	18·7	5·0	1	25·8	
February 2	21	19·1	...		21	24·6	21	32·5	0·6	0	13·4	
" 4	6	35·3	...		6	46·3	6	52·8	0·4	0	17·5	
" 14	9	7·3	...		9	40·7	11	36·0	8·6	2	28·7	
" 17	11	39·6	...		11	59·2	13	10·0	3·4	1	30·4	
"	5	4·3	...		5	48·7	6	18·8	1·4	1	14·5	
" 27	17	54·7	...		18	41·8	19	22·6	0·7	1	27·9	
March 4-5	23	39·8	...		0	18·1	0	57·9	0·9	1	18·1	
" 19	0	13·1	...		1	5·1	2	40·2	3·1	2	27·1	
" 22	3	51·9	4	21·9	4	34·6	6	37·1	3·9	2	45·2	

TABLE II.—*Disturbances recorded by Milne's Seismograph*—concld.

Date 1905.	P. T. Commence.		L. W. Commence.		Max.		End.		Max. Amplitude.	Duration.		REMARKS.
	H.	M.	H.	M.	H.	M.	H.	M.	M.M.	H.	M.	
April 4	0	52·9	0	56·3	...*		5	12·5	...*	4	19·6	*Traces overlapped.
" 7	4	25·0	...		4	38·0	4	48·2	0·6	0	23·2	
May 23	7	12·7	...		7	18·8	7	51·4	0·6	0	38·7	
" 31	18	38·0	...		18	55·3	20	10·5	0·6	1	32·5	
June 2	5	56·9	...		6	20·1	6	29·8	0·6	0	32·9	
" 14	12	29·4	...		12	45·3	13	20·7	0·9	0	51·3	
July 2	3	52·7	...		3	53·4	4	3·0	0·5	0	10·3	
" 6	16	31·2	...		17	4·4	18	56·6	2·4	2	25·4	
" 9	9	47·0	...		...*		14	7·7	...*	4	20·7	*Traces overlapped.
" 11	8	59·6	...		9	2·4	9	55·8	2·1	0	56·2	
" 14	9	37·8	...		9	52·8	10	29·4	0·7	0	51·6	
" 14	22	21·5	...		22	24·3	22	59·3	0·8	0	37·8	
" 16	18	59·5	...		19	6·1	19	20·9	0·5	0	21·4	
" 23	2	53·5	...		...*		9	45·9	...*	6	52·4	*Traces overlapped.
September 8	1	52·5	...		2	28·1	3	22·3	1·0	1	29·8	
" 14	20	4·7	...		20	29·0	21	7·2	1·5	1	2·5	
" 15	6	14·7	6	48·6	6	53·5	9	34·1	12·6	3	19·4	
" 26	1	30·1	...		1	35·8	2	34·7	2·1	1	46	
" 29	12	3·0	...		12	35·6	13	23·2	1·0	1	20·2	
October 19	16	33·6	...		16	37·0	17	3·0	1·2	0	29·4	
" 21	11	23·4	...		11	27·8	11	36·0	0·5	0	12·6	
" 22	9	2·5	...		9	10·2	9	42·2	0·6	0	39·7	
November 3	19	16·6	..		19	29·0	19	32·1	0·3	0	15·5	
" 8	22	18·2	...		22	26·9	23	42·7	1·7	1	24·5	
" 9	16	22·7	...		16	24·7	16	32·3	1·6	0	9·6	
December 4	7	17·7	...		7	27·8	8	9·2	0·9	0	51·5	
" 10	13	21·6	...		13	39·2	14	38·8	1·5	1	17·2	
" 10	18	19·3	...		18	31·3	19	25·8	0·9	1	6·5	

TABLE III.—*List of suspected movements in the magnetograph traces.*

DATE.	Hour.	Duration in hours.	DATE.	Hour.	Duration in hours.	DATE.	Hour.	Duration in hours.
January 4	0	4	April 1	1	3	November 30	19	3
" 14	8	4	June 3	20	4	December 15	14	2
February 10	21	3	" 21	2	3	" 15	22	2
" 12	17	3	July 23	9	2			
" 22	20	5	August 16	6	6			

It has been noted in the examination of the Colaba Magnetograph traces in connection with seismic disturbances that the latter appear to occur more usually about days of comparatively high daily means, *i.e.*, quieter days or days with increasing (northerly) disturbances, when apparently a strain is indicated, under which the usual amplitudes of the diurnal inequality of Horizontal Force also appear to be effectively reduced.

N. A. F. MOOS, *Director,*
Government Observatory, Bombay.

Solar Radiation.

It was stated in the Annual Report of 1889 that the observations of solar thermometers are liable to large and irregular changes which make them unfit for accurate observation in India, except perhaps at the first class observatories. The instruments were accordingly withdrawn from use, except at the following stations :—

Srinagar.	Jodhpur.	Bombay.
Simla.	Allahabad.	Leh.
Lahore.	Calcutta (Alipore).	Aden.

Observations of the solar thermometers were made during the year 1905 at all these stations with the exception of Aden. The monthly averages of past years and the departures from them of the data of 1905 are given in Tables IV and V and the mean comparative data for the past sixteen years in Table VI.

TABLE IV.—*Average excess of mean monthly and annual maximum insolation over the corresponding maximum shade temperatures.*

STATION.	Years of observations used.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar . . .	1902-05	35·8	43·3	47·5	52·2	52·3	54·0	54·6	50·7	44·5	43·8	40·1	32·9	46·0
Simla . . .	1890-05	60·6	65·1	67·1	69·1	68·2	63·0	49·3	49·1	60·1	69·9	67·4	63·4	62·7
Lahore . . .	Do.	48·1	53·5	55·9	56·9	53·0	50·1	51·9	54·7	53·3	52·1	49·9	47·1	52·2
Jodhpur . . .	1897-05.	52·7	55·4	56·6	56·7	54·5	53·1	56·3	56·4	55·8	53·0	51·5	50·4	54·4
Allahabad . .	1890-05.	57·6	58·2	58·4	57·5	56·6	56·5	56·7	56·8	59·0	55·9	56·7	57·2	57·3
Calcutta (Alipore) .	Do.	51·4	52·8	53·4	53·8	54·1	52·4	53·4	55·0	55·9	54·7	52·4	51·7	53·4
Bombay . . .	Do.	50·0	51·2	50·6	51·0	50·9	46·5	42·6	46·0	48·9	50·1	50·1	49·4	48·9
Leh . . .	Do.	66·1	74·3	72·7	72·3	68·6	66·6	64·8	65·2	66·0	66·6	65·4	63·2	67·7
Aden . . .	1890-02.	51·5	52·6	51·8	48·0	45·6	41·1	42·0	44·9	49·6	52·4	50·6	50·2	48·4

TABLE V.—*Departures from the averages of Table IV of mean monthly and annual excess of sun over shade temperatures in 1905.*

STATION.	Number of years that the instrument, the observations of which are utilized for this comparison has been in use.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar . .	1*	—3·7	—0·7	—4·4	—1·6	—1·7	—0·7	—3·0	—2·5	—0·9	—2·0	—8·0	—7·6	—3·1
Simla . .	1†	—5·9	+3·1	—15·7	0	—0·5	+3·4	+4·5	+13·8	+6·6	+8·0	+10·4	+1·9	+2·5
Lahore . .	20	—6·5	—4·6	—5·5	—3·0	—3·9	—4·4	—5·8	—11·1	—4·0	—3·4	—3·8	—4·0	—5·0
Jodhpur . .	8	—1·4	—0·6	+1·9	+0·5	0	—2·6	—1·4	—3·5	—1·1	—0·5	+0·2	+0·1	—0·7
Allahabad .	3	+0·7	+3·0	+1·2	+0·3	—0·3	—2·6	+2·2	—3·9	+1·4	+1·2	+0·9	+0·7	+0·4
Calcutta (Alipore)	1‡	—0·3	—0·5	—0·2	+0·3	+1·1	—0·8	—0·7	—1·5	—1·3	—1·7	+0·0	+0·5	—0·4
Bombay . .	20	—0·1	+1·2	0	—0·6	—0·2	+2·7	—1·2	+2·1	—0·8	—0·4	—3·2	+1·2	+0·1
Leh . . .	10	—5·1	—1·4	—6·6	+0·3	—5·1	—2·3	—3·5	0	—3·5	—0·1	+0·7	—1·1	—2·3

TABLE VI.—*Departures from normal of the annual mean excess of sun over shade temperature for each year of the period 1890—1905.*

STATION.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar . .	?	?	?	?	?	?	?	?	?	?	?	?	—1·8	—0·4	+2·1	—3·1
Simla .	+2·0	+2·5	+2·2	+1·6	+0·2	+1·2	+0·2	—1·1	+1·1	+2·7	—3·1	—1·2	—3·0	—5·1	—0·9	+2·5
Lahore . .	+3·6	+2·9	+2·0	+1·5	+0·7	+0·6	+0·4	+0·6	+0·2	—1·5	—1·1	—2·6	—2·9	—2·6	—3·0	—5·0
Jodhpur . .	?	?	?	?	?	?	?	+1·7	+0·5	—0·9	—0·6	—0·5	—0·3	—0·3	—0·5	—0·7
Allahabad . .	+0·9	+0·9	—0·3	—0·1	+0·3	—0·2	+0·6	+1·1	—0·4	—0·7	—0·6	—0·4	—0·7	—0·1	+1·6	+0·4
Calcutta (Alipore)	+1·6	+1·5	+1·5	+0·9	+0·9	+1·8	+0·3	—1·3	+0·8	—2·1	—3·2	—1·6	—0·8	—0·7	—0·6	—0·4
Bombay . .	+1·5	0	+0·4	+1·0	+0·4	+0·7	+1·0	+1·1	—0·4	—1·1	—1·0	—0·7	—0·9	—1·8	+0·4	+0·4
Leh . . .	?	+5·2	+3·4	+0·4	+1·3	+0·5	—0·2	+0·4	—2·3	—0·2	—2·1	—0·2	—1·6	—2·4	—3·4	—2·3
Aden . .	+4·0	+4·8	+3·7	+0·9	+0·2	+0·5	—2·5	—4·7	—4·5	—0·9	—2·3	+0·7	?	?	?	?

* New instrument from 18th May 1905. † New instrument from 24th May 1905 ‡ New instrument from 27th April 1905.

Nocturnal Radiation.

It was stated in the Annual Report of 1890 that the observations of the terrestrial radiation thermometers in India are nearly as unsatisfactory as those of the solar radiation thermometers. Observations of these instruments were recorded during the year 1905 at the following stations :—

Srinagar.	Jodhpur.	Bombay.
Simla.	Allahabad.	Leh.
Lahore.	Calcutta (Alipore).	Aden.

The following table, TABLE VII, gives the average data of past years for the above stations; TABLE VIII, the departure from the normal; and TABLE IX, the mean annual departure data for the past sixteen years.

TABLE VII.—*Average depression of mean monthly and annual nocturnal radiation temperatures below mean minimum shade temperatures.*

STATION.	Number of years observations used.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	7—12	7·4	7·9	8·7	7·3	8·0	7·7	7·9	7·0	11·7	11·1	11·6	11·6	9·0
Simla	15	4·5	3·5	3·6	5·8	4·1	3·6	2·9	2·1	3·4	4·4	4·5	4·4	3·9
Lahore	28—29	9·3	9·2	8·5	9·1	8·6	6·1	3·8	4·2	6·3	9·5	10·4	9·7	7·9
Jodhpur	8—10	9·1	9·2	8·8	8·0	5·0	2·2	1·7	1·9	4·3	9·7	10·4	9·7	6·7
Allahabad	28—29	10·9	11·5	12·6	12·3	8·9	5·0	3·1	2·6	4·0	9·0	12·2	12·1	8·7
Calcutta (Alipore)	28—29	7·8	7·3	6·0	4·6	3·1	2·1	1·8	1·9	2·5	4·5	6·8	8·3	4·7
Bombay	30	9·9	9·3	8·2	6·6	4·7	2·8	2·1	2·4	3·1	6·4	9·6	10·5	6·3
Leh	21—23	10·4	9·3	10·7	11·4	11·2	11·6	10·0	10·8	11·9	15·2	15·2	12·2	11·7
Aden	21—24	3·1	2·7	2·9	3·1	3·5	3·4	2·1	2·0	3·3	3·7	4·3	3·9	3·2

TABLE VIII.—*Departures from the averages of Table VII of mean monthly and annual depression of nocturnal radiation temperatures in 1905.*

STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	YEAR.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	−3·7	−4·3	−4·0	−2·3	−2·2	+1·9	+4·3	+3·3	−1·0	+4·1	+4·1	−0·5	0
Simla	−1·5	+0·3	−1·3	−2·5	−1·8	−0·5	−0·9	+0·3	−0·9	−0·8	−1·5	−2·4	−1·1
Lahore	−1·1	−0·1	−0·5	+0·5	+0·9	+1·2	+0·3	+1·0	+2·0	+2·6	+2·7	+3·4	+1·1
Jodhpur	−2·7	−1·7	−2·4	−0·1	−0·5	−1·1	−0·6	−0·2	+0·3	−0·5	−0·6	−1·2	−0·9
Allahabad	+0·6	+0·4	−1·3	+1·8	−1·2	+2·1	−0·1	−0·4	+0·2	+2·4	+1·3	+1·9	+0·6
Calcutta (Alipore)	−3·3	−3·3	−3·2	−1·6	−0·9	+0·1	−0·5	−0·2	−0·5	−1·2	−1·4	−2·7	−1·6
Bombay	−1·8	−1·3	−1·2	+0·4	−0·4	+0·3	−0·1	−0·3	+0·1	−0·7	−2·0	−0·2	−0·6
Leh	?	+0·1	−0·2	+0·9	+2·2	+0·7	+1·6	+1·0	−2·1	+0·2	+1·2	−3·5	?
Aden	−4·3	?	?	−2·0	+0·5	−0·9	−1·3	−2·4	−2·6	−2·8	−3·9	−1·5	?

TABLE IX.—*Departures from normal of the mean annual depression of nocturnal radiation temperatures.*

STATION.	1890	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Srinagar	?	?	?	?	?	?	?	?	?	?	?	?	+1·2	0	−1·4	0
Simla	+0·1	−0·1	+1·0	−0·3	−0·7	?	−0·8	+0·8	−0·8	−0·1	+0·5	−0·2	+1·3	−1·2	−0·0	−1·1
Lahore	−1·2	−1·7	−0·9	−0·7	+0·7	+1·0	−0·3	−0·2	+1·0	+2·0	+2·2	+2·0	−1·0	+0·5	+0·4	+1·1
Jodhpur	?	?	?	?	?	?	?	+0·1	0	−0·1	−0·5	−0·1	+1·1	−0·6	−1·4	−0·9
Allahabad	−0·9	−0·6	0	−1·3	−1·2	+0·2	+1·0	+0·1	+1·2	+1·6	−0·9	+0·5	−1·1	+0·6	+0·9	+0·6
Calcutta (Alipore)	−0·3	+0·1	−0·1	−0·5	−0·1	+0·1	+0·4	+0·2	+0·2	−0·2	−2·2	−1·7	+0·7	−1·7	−1·1	−1·6
Bombay	+1·4	+2·5	+0·8	−1·0	−1·8	−1·2	+0·8	−0·3	−1·0	−0·6	−0·7	−1·1	−2·1	−1·2	−0·9	−0·6
Leh	+3·1	+3·4	+2·9	+0·4	−2·3	−2·8	−2·0	−2·4	−0·1	−0·4	−2·1	+0·7	−1·3	?	−1·0	?
Aden	−0·4	−0·5	+0·1	+1·2	+1·1	−0·4	−0·8	−0·4	−0·3	−0·1	+1·9	?	−0·2	+4·4	?	?

Temperature of the ground.

Observations of the temperature of the ground were recorded during the year 1905 at six stations, Lahore, Jaipur, Dehra Dun, Allahabad, Calcutta (Alipore) and Bombay.

The thermometers used for the purpose are verified standard mercurial thermometers with attached scales of porcelain, the scale being engraved also on the tube.

At Lahore and Jaipur the surface thermometer is read four times daily, at Allahabad at 6, 14, and 22 hrs., and at Calcutta at 13 hrs. 45 mins. At Dehra Dun all the five ground thermometers are read at 15 hrs. daily, and at Bombay the two nearest to the surface are read five times a day, the deeper instruments being read once only.

The thermometers below the surface have their bulbs protected with pointed copper shoes which rest on the ground at the bottom of a wooden tube, inserted to the specified depth and projecting six inches above the surface, the upper ends being closed by a cap of metal or wood. Those at depths of three and six feet are attached to the lower end of a stout wooden bar of about half the diameter of the tube. Those at one foot have a brass ring attached to the top of the wooden frame by which they are lifted; and in all these the lower part of the frame around the bulb has been cut away, and the lower end fitted with the copper shoe above mentioned.

The average monthly data are here given at length, but a paper recently published by Mr. R. Ll. Jones (Meteorological Memoirs, Vol. XV, Pt. III, 1904) makes it clear that the whole system of measurement of under-ground temperatutes is unsatisfactory: analysis on the lines developed by Lord Kelvin leads to inconsistent results. It may be that this is due to irregularities from percolation of rainfall as well as to imperfections in the mode of measurement.

Under these circumstances a table of departures from the average of past years is more likely to give correct indications than a table of absolute temperatures recorded. The number of years included in the averages in the different cases lies between 20 and 26.

TABLE X.—*Departures from normal of the mean monthly aud annual temperatures of the air and of the ground in 1905.*

		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
LAHORE	Air	−3·6	−7·6	−5·8	−2·8	+3·7	+2·9	+2·0	+6·1	+0·9	+0·6	+2·6	+0·2	−0·1
	Surface	−3·2	−9·3	−7·2	−2·5	+2·4	+2·2	+0·2	+4·4	−2·6	−0·4	−1·4	−1·3	−1·6
JAIPUR	Air	−3·1	−9·2	−5·5	−4·9	+3·2	+3·6	+3·3	+6·7	+2·9	+2·7	+3·9	+0·3	+0·3
	Surface	−3·3	−9·3	−5·8	−3·2	+4·7	+5·6	+8·2	+13·0	+2·5	+2·8	+3·8	+1·3	+1·7
DEHRA DUN	Air	−3·1	−9·1	−6·1	−5·0	−0·4	+1·6	−0·1	+0·6	+0·2	+0·4	+0·8	−0·3	−1·7
	1·1 feet deep	−2·1	−5·8	−6·8	−5·1	−0·1	+2·8	+0·5	+1·2	+0·6	+0·8	+2·2	+0·4	−1·0
	3·2 „ „	−1·5	−4·6	−5·3	−4·1	−0·7	+1·7	+0·7	+1·3	+1·4	+1·3	+2·0	+0·9	−0·6
	6·4 „ „	+0·1	−0·9	−3·6	−4·3	−2·6	−1·3	−0·7	−0·1	+0·4	−0·1	+1·2	+1·3	−0·9
	12·8 „ „	+0·2	−0·2	−1·6	−2·1	−2·0	−1·4	−1·2	−1·1	−0·7	−0·7	−0·2	+0·2	−0·9
	25·6 „ „	+0·4	+0·4	+0·2	−0·1	−0·6	−0·7	−0·7	−1·4	−1·3	−1·1	−0·8	−0·5	−0·5
ALLAHABAD	Air	−2·2	−6·8	−5·0	−5·5	−2·0	+5·2	+0·9	−0·6	0	−0·3	+1·2	−0·1	−1·3
	Surface	−1·9	−4·1	−2·7	−3·0	+1·4	+6·5	+2·6	−0·6	+1·5	+0·1	+0·8	−1·0	−0·4
CALCUTTA (ALIPORE)	Air	−0·6	−5·9	−3·4	−4·2	−1·6	+4·1	−0·1	+1·5	+0·4	+0·7	+0·4	+0·8	−0·7
	Surface	+1·5	−5·5	−13·4	−11·6	−6·2	+8·0	−2·3	+0·3	−1·4	−4·5	−3·4	+5·6	−2·7
BOMBAY	Air	−1·5	−3·9	−2·9	−3·2	−0·1	+3·1	+1·0	+1·3	+1·1	+1·9	+1·8	0	−0·1
	1 inch deep	−1·3	−3·9	−2·8	−2·7	+0·6	+3·3	+1·7	+1·7	+1·4	+2·1	+1·7	−0·4	+0·1
	9 inches „	+1·2	−1·8	−0·7	−0·7	+2·2	+4·2	+3·4	+3·5	+3·2	+3·5	+3·2	+1·5	+1·9
	1 ft 8 ins. „	+3·0	+0·4	+1·0	+1·0	+3·4	+4·7	+4·3	+4·3	+4·1	+4·1	+4·0	+2·8	+3·1
	5 feet deep	+2·8	+1·9	+1·4	+1·5	+2·2	+3·3	+3·6	+3·7	+3·7	+3·6	+3·6	+3·1	+2·9
	11 „ „	+2·5	+2·2	+1·9	+1·5	+1·5	+1·8	+1·9	+2·2	+2·5	+2·7	+2·8	+2·8	+2·2

Temperature.

The methods of exposing the thermometers at observatories in India are described in pages 18-19 of the Annual Report for 1890.

The method of deducing the daily and monthly means from the observed readings of the instruments is described in page 12, para. 1 of Monthly Weather Review for January 1905.

The departures from normal of the mean temperature of each month given in Table II of the monthly reviews are deduced by a comparison of the actual monthly means with the normal monthly means given in the "Indian Meteorological Memoirs," Vol XVII, pages 16 to 24.

The departures obtained by a comparison of these normal means with the actual monthly means in Table II of the Monthly Weather Reviews for the year are given in Table XI.

The mean departures given in Table XII of the Geographical Summary are derived from the departure data of Table II of the Monthly Weather Reviews of the year 1905.

In Table I, published in each Monthly Review, the mean temperature of the day is calculated, as in the Daily Weather Report, by the formula :—daily mean $= \frac{\text{maximum} + \text{minimum}}{2}$. It differs from the true daily mean by amounts varying slightly with the season. In Table I of the Monthly Weather Reviews of the year 1905 are given the departures from normal of the monthly means of daily maximum and minimum temperatures, as well as the departures of the monthly means of daily mean temperature given by the formula $\frac{1}{2}$ (maximum + minimum).

Normal monthly mean maxima and minima temperatures of 94 stations, calculated from the observations of the eleven years' period, 1878—1888, were given in the Annual Summary for 1891. The data for the years 1889—1893 were given in the 1894 Annual Summary, Tables I and II.

The additional data for the years 1894—1899 have been utilized to obtain what are probably slightly more accurate means than those published in the 1894 Annual Summary.

Tables XII and XIII (*a*), XIII (*b*) and XIII (*c*) give summaries of the temperature departure data for each month of the year 1905 and for the year. In the first table (Table XII) the same division has been adopted as that employed in the Annual Reports from 1881 to 1890. This enables a comparison to be made of the temperature data of the year 1905 with those of previous years given in the Annual Reports. In the second set of tables [Table XIII (*a*), XIII (*b*) and XIII (*c*) the departure data are given for the eleven meteorological provinces into which the Empire is divided for the purpose chiefly of comparing meteorological and health statistics, and in the last table (Table XIV) the data are given for 55 of the 57 smaller divisions or areas into which India is subdivided with a view to the comparison of meteorological and crop statistics :—

TABLE XI.—*Departures from normal of monthly and annual mean air temperature in 1905.*

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Burma Coast and Bay Islands.	Port Blair	−1·4	−0·4	−0·3	−0·5	+0·9	−0·7	+0·9	+0·4	+0·4	−0·3	+1·4	0	
	Rangoon	−0·8	−0·7	−0·4	−1·0	+0·7	−0·6	−0·6	−0·3	−0·3	+0·4	−0·2	+1·2	−0·2
	Diamond Island	−1·2	−0·6	−0·2	−1·1	−0·1	−0·2	+1·0	+0·7	+0·1	+0·1	+0·4	+0·3	−0·1
	Akyab	−1·3	−2·2	−1·5	−3·4	−0·4	−0·3	−0·4	−0·3	−0·8	−0·1	−1·3	−1·3	−1·1
Bengal and Orissa.	Chittagong	−0·9	−4·9	−2·2	−3·2	+0·1	+1·0	−0·1	−0·1	−0·7	0	−1·4	−0·1	−1·0
	Calcutta (Alipore)	−0·6	−5·9	−3·4	−4·2	−1·6	+4·1	−0·1	+1·5	+0·4	+0·7	+0·4	+0·8	−0·7
	Saugor Island	−0·2	−6·4	−3·2	−3·0	−1·0	+2·9	−0·4	+1·7	+0·3	+0·6	+1·4	+1·0	−0·5
	False Point	−0·3	−4·9	−0·8	−2·3	0·5	+2·5	+0·1	+1·8	−0·2	−0·3	0	−0·1	−0·4
Gangetic Plain and Chota Nagpur.	Hazaribagh	−1·9	−7·4	−4·8	−6·0	−1·4	+8·3	+0·2	+1·3	−0·5	+0·8	+0·7	−0·7	−1·0
	Allahabad	−2·2	−6·8	−5·0	−5·5	−2·0	+5·2	+0·9	−0·6	0	−0·3	+1·2	−0·1	−1·3

TABLE XI.—*Departures from normal of monthly and annual mean air temperatures in 1905.*—contd.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Upper Sub-Himalayas.	Dehra Dun	−3·1	−9·1	−6·1	−5·0	−0·4	+1·6	−0·1	+0·6	+0·2	+0·4	+0·8	−0·3	−1·7
	Roorkee	−3·5	−8·8	−6·5	−6·5	−0·3	+0·6	+0·9	+0·5	−0·4	−0·8	+0·1	−1·6	−2·2
	Meerut	−2·8	−7·9	−6·2	−4·8	+0·9	+2·1	+2·2	+3·4	+2·2	?	?	?	?
	Lahore	−3·6	−7·6	−5·8	−2·8	+3·7	+2·9	+2·0	+6·1	+0·9	+0·6	+2·6	+0·2	−0·1
	Ludhiana	−3·4	−8·6	−7·4	−5·6	+2·7	+2·3	+1·6	+3·3	+1·8	+1·2	+2·5	0	−0·8
Indus Valley and North-West Rajputana.	Peshawar	−2·8	−7·7	−6·9	−4·2	+1·4	+1·8	+2·2	+3·3	−0·4	+0·8	+2·3	−0·7	−0·9
	Jacobabad	−3·7	−6·0	−4·8	−0·6	+4·2	+0·3	+2·3	+1·3	+0·5	+1·7	+4·7	+1·5	+0·1
	Kurrachee	−3·0	−5·5	−3·2	−1·5	+1·2	−0·8	+1·1	−0·1	+0·8	+2·4	+3·4	+3·1	−0·2
East Rajputana, Central India and Gujarat.	Jaipur	−3·1	−9·2	−5·5	−4·9	+3·2	+3·6	+3·3	+6·7	+2·9	+2·7	+3·9	+0·3	+0·3
	Deesa	−2·3	−5·6	−3·9	−2·2	+4·2	+1·2	+0·9	+2·6	+2·4	+2·6	+4·0	−0·1	+0·3
Deccan	Belgaum	−1·2	−1·5	−2·8	−2·3	+0·7	+1·6	+0·6	+0·9	+0·5	+0·9	+2·8	+0·8	+0·1
	Sholapur	−0·1	−3·7	−2·3	−3·1	+2·8	+2·6	+1·5	+1·0	+3·4	+2·4	+2·5	+0·8	+0·7
	Akola	−0·4	−6·3	−2·2	−3·6	+3·4	+3·9	+0·8	+0·8	−0·9	+0·5	+1·5	−1·0	−0·3
	Buldana	−1·6	−6·5	−4·1	−3·6	+3·6	+2·8	+0·6	+0·5	−0·2	+1·2	+0·9	−0·6	−0·6
	Khandwa	−0·6	−6·9	−2·7	−3·7	+3·8	+3·1	−0·3	+0·9	−0·3	0	+1·9	−0·2	−0·4
	Nagpur	−0·4	−5·2	−2·0	−4·6	+1·1	+5·3	+0·7	+0·9	−1·6	−0·2	+0·9	−0·2	−0·4
	Hyderabad (Deccan)	+0·7	−2·2	−0·5	−1·5	+0·3	+3·2	+2·9	+0·9	+0·9	+1·1	+2·2	+0·1	+0·7
West Coast	Bombay	−1·5	−3·9	−2·9	−3·2	−0·1	+3·1	+1·0	+1·3	+1·1	+1·9	+1·8	0	−0·1
	Karwar	−1·8	−2·5	−3·5	−4·8	−0·2	+0·1	+1·9	+0·2	+1·0	+0·7	+2·6	−0·9	−0·6
South India	Salem	+1·8	+3·3	+2·3	+0·1	+0·9	+1·0	+2·5	+1·9	+1·4	+1·1	+2·4	+0·6	+1·3
	Chitaldroog	+0·3	+0·1	−0·9	+0·9	+1·1	+1·1	+1·4	+1·5	+1·5	+0·5	+3·0	+1·5	+1·0
	Bangalore	+1·5	+2·2	+0·7	−0·5	+0·4	+0·9	+1·1	+1·0	+1·0	+0·3	+1·1	+0·5	+0·9
	Hassan	+0·8	+1·6	+0·2	+1·0	+1·8	+2·2	+1·6	+1·8	+1·6	+0·5	+2·9	+0·6	+1·4
	Mysore	+1·4	+2·0	+0·3	+0·9	+0·4	+0·2	−0·1	+0·2	−0·2	0	+1·5	+0·4	+0·6
	Madras	−1·8	+1·6	+2·6	−0·4	−2·0	+0·8	+2·0	+0·1	+2·0	−0·3	+1·1	−1·1	+0·7
	Bellary	+1·4	+0·9	−0·4	−0·6	+0·9	+0·7	+2·1	+0·1	+2·0	+0·9	+2·8	+1·2	+1·0
	Waltair	−0·2	−1·9	−0·6	−1·0	−2·0	+1·1	+0·2	−0·7	−1·6	−0·4	+0·3	−0·6	−0·6
Hill Station, Baluchistan.	Quetta	−4·1	−8·4	−7·4	−1·2	+1·3	−0·9	−0·1	+0·6	−1·7	+1·7	+3·3	−0·7	−1·5
Hill Stations, Northern India.	Leh	−1·6	−6·7	−4·6	−6·4	−0·4	−3·1	−3·5	−2·0	−2·3	+0·3	+0·1	−1·7	−2·7
	Srinagar	+1·2	−3·3	−2·8	−4·2	+0·1	−0·6	+1·1	+1·7	+0·2	+2·7	+1·2	−1·1	−0·3
	Simla (Ridge)	−3·2	−10·1	−9·4	−4·2	+0·7	+0·9	+2·3	+0·4	+0·5	+0·8	−0·4	−1·0	−1·9
	Chakrata	−5·8	−10·7	−8·4	−4·8	+0·3	+0·9	−0·4	+0·4	+0·4	+1·4	+1·8	0	−2·1
	Ranikhet	−6·1	−11·6	−7·9	−5·7	+0·8	+1·9	+0·4	+0·9	+0·1	+0·7	+0·1	−1·9	−2·4
	Katmandu	−2·0	−5·8	−2·2	−3·3	+1·5	+2·2	+0·2	+0·6	+0·5	+0·4	+1·5	−2·5	−0·7
	Darjeeling	−2·4	−5·4	−1·4	−4·4	−0·5	+1·7	+0·4	+0·2	+0·5	+0·5	+1·7	−1·0	−0·8

TABLE XI.—*Departures from normal of monthly and annual mean air temperatures in 1905*—concld.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Hill Stations, Central India.	Mount Abu	−4·3	−8·5	−7·2	−3·5	+4·9	+0·4	−0·3	+0·2	+0·6	+1·7	+2·2	−4·6	−1·5
	Pachmarhi	−0·5	−5·7	−2·1	−3·5	+3·0	+5·3	+0·6	+0·7	+0·1	−0·5	+0·2	−1·7	−0·3
	Chikalda	−2·1	−6·9	−4·4	−3·2	+3·6	+4·3	+0·2	+0·7	−0·8	+0·8	+0·8	−0·6	−0·6
Extra India	Aden	−1·4	?	?	?	−1·0	+0·5	+1·5	+2·5	−1·1	0	+0·8	+1·2	?
	Perim	−0·4	0	+0·7	0	+0·3	+1·5	+2·2	+1·8	−0·5	+0·6	+0·2	+1·1	+0·6
	Zanzibar	+0·7	+0·7	−0·2	−1·5	+0·3	+0·5	+0·7	+0·7	+1·1	+1·1	+2·5	+0·6	+0·6
	Port Victoria (Seychelles)	+0·8	+0·9	+3·2	+2·0	+1·2	+1·4	+1·4	+1·2	+0·7	+1·4	+2·2	+1·4	+1·5
	Mauritius (Pamplemouses)	−0·2	+0·4	−0·1	0	−0·2	+0·2	+1·1	−0·3	+0·5	+0·7	−0·6	−0·8	+0·1

TABLE XII.—*Geographical summary of the temperature departure data of Table II in the Monthly Weather Reviews of 1905.*

Meteorological Area.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
North-West Himalayas	5	−3·1	−8·5	−6·6	−5·1	+0·3	0	0	+0·3	−0·2	+1·2	+0·6	−1·1	−1·9
Sikkim Himalayas and Nepal.	2	−2·2	−5·6	−1·8	−3·9	+0·5	+2·0	+0·3	+0·4	+0·5	+0·5	+1·6	−1·8	−0·8
Punjab Plains	3	−3·3	−8·0	−6·7	−4·2	+2·6	+2·3	+1·9	+4·2	+0·8	+0·9	+2·5	−0·2	−0·6
Gangetic Plain	3—4	−2·9	−8·2	−6·0	−5·5	−0·5	+2·4	+1·0	+1·0	+0·5	−0·2	+0·7	−0·7	−1·5
Western Rajputana	4	−3·3	−6·4	−4·8	−2·0	+3·6	+0·3	+1·0	+1·0	+1·1	+2·1	+3·6	0	−0·3
Eastern Rajputana and Central India.	1	−3·1	−9·2	−5·5	−4·9	+3·2	+3·6	+3·3	+6·7	+2·9	+2·7	+3·9	+0·3	+0·3
Nerbudda Valley	1	−0·6	−6·9	−2·7	−3·7	+3·8	+3·1	−0·3	+0·9	−0·3	0	+1·9	−0·2	−0·4
Chota Nagpur	1	−1·9	−7·4	−4·8	−6·0	−1·4	+8·3	+0·2	+1·3	−0·5	+0·8	+0·7	−0·7	−1·0
Lower Bengal	2	−0·4	−6·2	−3·3	−3·6	−1·3	+3·5	−0·3	+1·6	+0·4	+0·7	+0·9	+0·9	−0·6
Orissa	1	−0·3	−4·9	−0·8	−2·3	−0·5	+2·5	+0·1	+1·8	−0·2	−0·3	0	−0·1	−0·4
Central Provinces (South) and Berar.	5	−1·0	−6·1	−3·0	−3·7	+2·9	+4·3	+0·6	+0·7	−0·7	+0·4	+0·9	−0·8	−0·5
Konkan	2	−1·7	−3·2	−3·2	−4·0	−0·2	+1·6	+1·5	+0·8	+1·1	+1·3	+2·2	−0·5	−0·4
Deccan, Hyderabad and Mysore.	8	+0·6	−0·1	−0·7	−0·7	+1·1	+1·6	+1·4	+0·9	+1·3	+0·8	+2·4	+0·7	+0·8
East Coast and Carnatic	3	−0·1	+1·0	+1·4	−0·4	−1·0	+1·0	+1·6	+0·4	+0·6	+0·1	+1·3	−0·4	+0·5
Arakan and Pegu	4	−1·1	−2·1	−1·1	−2·2	+0·1	0	0	0	−0·4	+0·1	−0·6	0	−0·6
Bay Islands	1	−1·4	−0·4	−0·3	−0·5	+0·9	−0·7	+0·9	+0·4	+0·4	−0·3	+1·4	0	0
Extra Tropical India	22—23	−2·7	−7·5	−5·2	−4·2	+1·1	+1·9	+0·7	+1·5	+0·5	+1·0	+1·7	−0·5	−1·0
Tropical India	24	−0·4	−2·0	−1·2	−1·9	+0·9	+1·7	+0·9	+0·7	+0·4	+0·5	+1·3	0	+0·1
Whole India	46—47	−1·5	−4·7	−3·1	−3·0	+1·0	+1·8	+0·8	+1·1	+0·4	+0·7	+1·5	−0·2	−0·4

TABLE XIII (*a*).—*Departure of the mean monthly maximum temperature from the normal in the eleven meteorological provinces of India in 1905.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Burma Coast and Bay Islands.	−1·8	−1·3	−1·4	−0·8	+1·5	−0·9	−0·2	+0·1	−0·8	−0·4	−0·3	+0·7	−0·5
Burma Inland . .	−3·4	−4·6	−4·9	−3·3	+1·6	−0·5	−0·5	−1·1	−1·6	−1·6	−1·5	−2·5	−2·0
Assam . . .	−2·4	−6·3	−4·7	−3·6	−0·6	−0·2	+0·3	−2·0	+0·4	−0·8	−0·1	−0·8	−1·7
Bengal and Orissa .	−2·1	−7·1	−4·9	−4·9	−2·6	+2·9	−0·2	+0·1	−0·6	+0·1	+1·1	+0·2	−1·5
Gangetic Plain and Chota Nagpur.	−3·7	−9·5	−6·9	−6·7	−2·5	+6·9	+0·9	+0·1	−1·0	+1·3	+2·0	−0·2	−1·6
Upper Sub-Himalayas .	−6·2	−11·4	−9·9	−5·8	+0·9	+2·8	+2·1	+3·6	+1·1	+1·6	+2·3	−1·5	−1·7
Indus Valley and North-West Rajputana.	−5·7	−9·1	−8·0	−3·9	+3·0	+0·5	+2·1	+3·3	+0·2	+1·5	+2·7	−1·0	−1·2
East Rajputana, Central India and Gujarat.	−3·9	−8·3	−6·9	−4·7	+2·6	+3·6	+1·4	+4·5	+2·2	+2·9	+3·4	+1·1	−0·2
Deccan . . .	−1·2	−5·1	−3·2	−3·6	+2·0	+6·0	+1·1	+0·9	+0·4	+1·9	+2·1	+0·9	+0·2
West Coast . .	−1·4	−1·7	−1·8	−3·1	−0·8	+0·6	+1·5	+0·7	+1·0	+0·3	+1·3	−0·1	−0·3
South India . .	+0·6	+0·6	+0·6	−0·6	−0·8	+1·5	+2·8	+1·2	+1·6	+0·8	+1·8	+1·7	+1·0

TABLE XIII (*b*).—*Departure of the mean monthly minimum temperature from the normal in the eleven meteorological provinces of India in 1905.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June	July.	August.	September.	October.	November.	December.	YEAR.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Burma Coast and Bay Islands.	+0·4	+0·7	+0·7	−1·0	+0·6	+0·4	+0·8	+0·5	+0·4	+1·0	0	+2·1	+0·6
Burma Inland . .	−0·3	−1·7	+0·3	−3·7	+0·7	+0·9	+0·7	+0·5	+0·3	+1·2	0	+1·9	+0·1
Assam . . .	−1·8	−6·2	−1·6	−4·5	+0·2	−0·6	−0·4	−0·1	+0·3	−0·5	+0·4	+1·2	−1·1
Bengal and Orissa .	−0·5	−5·6	−1·4	−4·1	−0·7	+1·3	−0·2	+0·6	+0·1	+0·7	−0·4	+0·2	−0·8
Gangetic Plain and Chota Nagpur.	−0·6	−6·1	−2·7	−5·9	−1·9	+4·1	+0·3	+0·4	+0·3	−0·9	0	−0·9	−1·2
Upper Sub-Himalayas	−0·4	−6·1	−3·8	−4·3	+2·1	+3·1	+1·7	+2·8	+1·5	+0·6	+2·0	+1·1	0
Indus Valley and North-West Rajputana.	−1·6	−6·0	−3·4	−3·2	+2·3	+0·5	+2·0	+1·7	+0·2	+0·8	+4·0	+2·8	0
East Rajputana, Central India and Gujarat.	−0·8	−5·5	−2·1	−[illegible]·5	+2·1	+2·5	+1·1	+2·1	+1·7	+1·7	+3·9	+0·5	+0·3
Deccan . . .	−0·1	−5·3	−1·5	−3·7	+1·6	+3·0	+0·7	+0·9	+0·2	−0·6	+1·1	−1·4	−0·4
West Coast . .	0	−1·6	−2·1	−2·5	−0·5	+0·6	+1·4	+0·6	+0·6	+0·8	+2·0	−1·3	−0·2
South India . .	+0·4	+1·6	+1·3	−0·2	−0·3	+0·7	+1·2	+0·5	+1·0	0	+1·0	−1·6	+0·5

TABLE XIII (c).—*Departure of the mean monthly temperature from the normal in the eleven meteorological provinces of India in 1905.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Burma Coast and Bay Islands.	—0·7	—0·3	—0·3	—0·9	+1·1	—0·4	+0·3	+0·3	—0·2	+0·3	—0·2	+1·4	0
Burma Inland . .	—1·9	—3·2	—2·3	—3·6	+1·1	+0·2	+0·1	—0·3	—0·6	—0·2	—0·8	—0·3	—1·0
Assam . . .	—[illegible]·1	—6·3	—3·2	—4·1	—0·2	—0·4	—0·1	—1·0	+0·4	—0·7	+0·2	+0·2	—1·4
Bengal and Orissa .	—1·3	—6·4	—3·2	—4·5	—1·7	+2·1	—0·2	+0·3	—0·3	+0·4	+0·3	+0·2	—1·2
Gangetic Plain and Chota Nagpur.	—2·2	—7·8	—4·8	—6·3	—2·2	+5·5	+0·6	+0·2	—0·3	+0·2	+1·0	—0·6	—1·4
Upper Sub-Himalayas	—3·3	—8·8	—6·9	—5·0	+1·5	+2·9	+1·9	+3·3	+1·3	+1·1	+2·2	—0·2	—0·8
Indus Valley and North-West Rajputana.	—3·7	—7·6	—5·7	—3·5	+2·7	+0·5	+2·1	+2·5	+0·2	+1·2	+3·4	+0·9	—0·6
East Rajputana, Central India and Gujarat.	—2·4	—6·9	—4·6	—4·2	+2·4	+3·1	+1·3	+3·3	+1·9	+2·3	+3·7	+0·8	+0·1
Deccan . . .	—0·7	—5·2	—2·4	—3·7	+1·8	+4·5	+0·9	+0·9	+0·3	+0·6	+1·6	—0·3	—0·1
West Coast . .	—0·7	—1·7	—2·0	—2·8	—0·7	+0·6	+1·5	+0·6	+0·8	+0·6	+1·7	—0·7	—0·2
South India . .	+0·5	+1·1	+1·0	—0·4	—0·5	+1·1	+2·0	+0·8	+1·3	+0·4	+1·4	0	+0·7

TABLE XIV.—*Departures from the normal of the mean monthly and annual temperatures in 55 of the 57 meteorological districts or divisions of India in 1905.*

PROVINCE.	Division.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		°	°	°	°	°	°	°	°	°	°	°	°	°
BURMA . . .	1. Tenasserim . .	—0·6	—0·5	0	+0·8	+2·0	—0·3	+0·6	+1·0	+0·2	+0·3	+0·1	+2·7	+0·5
	2. Lower Burma Deltaic	—0·9	—0·4	—0·1	—1·0	+0·7	—0·5	+0·4	+0·2	—0·2	+0·3	—0·1	+0·6	—0·1
	3. Central do.	—1·5	—1·3	—1·0	—2·1	+1·5	—0·3	+0·1	+0·1	—0·9	+0·6	—0·6	+0·6	—0·3
	4. Upper do.	—1·9	—3·6	—2·6	—3·5	+1·1	+0·3	+0·2	—0·5	—0·7	—0·4	—0·8	—0·5	—1·1
	5. Arakan . . .	—1·3	—2·3	—1·6	—3·3	—0·3	—0·1	—0·3	—0·4	—0·8	—0·1	—1·3	—1·2	—1·1
BENGAL AND ASSAM .	6. Eastern Bengal	—1·4	—5·9	—3·4	—4·2	—0·4	+0·8	+0·1	—0·2	—0·4	+0·6	+0·4	+0·7	—1·1
	7. Assam Surma . .	—1·5	—5·8	—3·1	—2·9	+0·7	—0·7	+0·5	—1·0	+0·1	—1·1	—0·5	+0·7	—1·2
	8. Do. Hills . .	...	...	...	...	...	...	...	...	...	...	...	...	...
	9. Do. Brahmaputra .	—2·5	—6·6	—3·2	—4·7	—0·7	—0·3	—0·4	—1·1	+0·5	—0·5	+0·5	—0·1	—1·6
	10. Deltaic Bengal . .	—1·1	—6·8	—3·8	—4·3	—1·6	+3·2	—0·4	+1·0	—0·1	+0·3	+0·5	+0·6	—1·0
	11. Central do. . .	—1·5	—6·5	—3·9	—5·5	—3·0	+2·2	—0·4	+0·3	—0·5	+0·6	+0·7	+0·6	—1·4
	12. North do. . .	—1·9	—7·4	—2·9	—5·2	—1·7	+0·2	+0·2	—1·2	+0·3	+0·4	0	+0·3	—1·6
	13. Bengal Hills . .	—2·5	—5·6	—1·8	—4·2	—0·7	+1·7	+0·3	+0·1	+0·7	+0·5	+0·3	—0·9	—1·0
	14. Orissa . . .	—0·9	—5·8	—1·7	—3·4	—1·5	+4·6	—0·1	+1·8	—0·3	—0·1	+0·1	—0·8	—0·7
	15. Chota Nagpur . .	—1·6	—7·6	—3·8	—6·0	—2·3	+8·1	—0·2	+1·3	—0·6	+0·5	+0·9	—0·8	—1·3
	16. South Bihar . .	—2·4	—7·4	—4·8	—6·6	—2·8	+5·2	+0·5	—0·8	—1·5	+0·1	+1·0	—0·6	—1·7
	17. North do. . .	—1·7	—7·3	—3·7	—6·0	—2·6	+1·2	—0·3	—1·6	—0·6	+0·4	0	—0·7	—1·9

TABLE XIV.—*Departures from the normal of the mean monthly and annual temperatures in 55 of the 57 meteorological districts or divisions of India in 1905*—contd.

Province.	Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
United Provinces of Agra and Oudh.	18. United Provinces East	−2·4	−7·7	−5·4	−6·4	−2·1	+5·3	+0·7	−0·7	−0·3	−0·6	+1·3	−0·5	−1·6
	19. South Oudh	−2·4	−8·0	−5·2	−6·3	−1·7	+5·7	+1·0	−0·4	+0·1	+0·4	+2·4	0	−1·2
	20. North do.	−2·1	−7·8	−5·4	−7·2	−3·5	+4·8	+1·5	−1·1	+0·4	+0·3	−0·2	−0·4	−1·0
	21. United Provinces Central.	−2·2	−8·2	−5·1	−4·9	+1·4	+6·1	+3·4	+4·4	+2·1	+1·7	+3·2	+0·7	+0·2
	22. United Provinces West	−3·2	−8·9	−6·8	−5·6	+0·8	+3·0	+2·3	+5·1	+3·0	+1·8	+3·4	+0·3	−0·4
	23. United Provinces East Submontane.	−3·0	−8·2	−6·0	−7·8	−3·4	+2·5	−0·3	−2·3	−1·0	−0·8	−0·2	−1·4	−2·7
	24. United Provinces West Submontane.	−3·6	−10·3	−6·8	−6·1	−0·6	+2·2	+0·6	+0·3	+0·5	+0·3	+1·0	−0·6	−1·9
	25. United Provinces Hills	−5·8	−11·3	−8·4	−5·9	+0·5	+1·7	+0·1	+0·8	+0·4	+1·1	+1·1	−0·7	−2·2
Punjab	26. South-East Punjab	−4·3	−10·2	−7·9	−5·5	+1·0	+3·3	+2·4	+6·3	+2·5	+1·6	+2·9	−0·1	−0·7
	27. South do.	−4·3	−9·3	−7·0	−5·1	+1·9	+3·4	+2·1	+6·0	+1·3	+0·8	+2·8	−0·9	−0·7
	28. Central do.	−3·1	−8·3	−6·1	−3·2	+3·6	+3·0	+2·1	+6·0	+1·0	+0·	+2·8	0	−0·1
	29. Punjab Submontane	−2·8	−8·1	−6·9	−4·5	+2·8	+3·4	+2·4	+3·4	+1·5	+1·5	+2·4	+0·2	−0·4
	30. Do. Hills	−2·6	−8·2	−6·8	−6·0	−0·9	−1·4	−1·1	0	−1·5	+0·7	+0·8	−2·0	−2·4
	31. West Punjab	−3·4	−7·5	−5·7	−4·2	+2·3	+0·7	+2·2	+3·5	−0·3	+1·1	+3·1	+0·1	−0·7
North-West Frontier Province.	32. North-West Frontier Province.	−3·1	−8·0	−7·2	−4·3	+1·7	+1·5	+2·1	+2·9	−0·7	+0·3	+2·7	−0·3	−1·0
Bombay and Malabar Coast Districts (Madras).	33. Malabar	0	−0·1	−0·8	−1·5	−0·9	+0·1	+1·2	+0·3	+0·6	+0·3	+1·4	−0·8	0
	34. Madras South Central	+1·4	+2·8	+1·3	+0·1	+0·5	+0·4	+1·8	+1·2	+0·8	+0·4	+1·9	−0·2	+1·0
	35. Coorg	−0·4	+0·9	−0·7	−0·4	+0·1	+0·4	+0·6	+0·5	−0·1	+0·3	+1·4	0	+0·2
	36. Mysore	+0·9	+1·4	0	+0·5	+0·7	+1·0	+1·1	+1·1	+0·8	+0·5	+2·1	+0·6	+0·9
	37. Konkan	−1·7	−3·3	−3·3	−4·1	−0·3	+1·0	+1·7	+0·9	+1·0	+0·8	+1·9	−0·6	−0·5
	38. Bombay Deccan	−0·9	−3·3	−2·5	−2·6	+2·1	+2·5	+1·2	+0·7	+1·7	+1·9	+2·3	+0·4	+0·3
	39. Hyderabad North	...	...	...	...	...	...	...	...	...	...	...	...	...
	40. Khandesh	−0·4	−4·8	−2·6	−3·7	+3·8	+3·2	−0·1	+0·8	+1·6	+3·1	+1·9	+0·3	+0·3
Central Provinces and Berar.	41. Berar	−0·5	−6·3	−2·4	−3·5	+3·5	+5·2	+1·1	+1·4	−1·1	+0·3	+1·3	−0·9	−0·2
	42. Central Provinces West.	−0·6	−6·8	−2·5	−4·2	+2·5	+5·3	+0·4	+1·1	−0·9	−0·7	+1·6	−0·8	−0·5
	43. Central Provinces Central.	−0·8	−7·0	−2·7	−4·8	+1·6	+5·7	+1·3	+1·2	−0·4	+0·2	+1·4	−0·3	−0·4
	44. Central Provinces East	−1·7	−7·4	−3·1	−5·2	−1·3	+6·7	−0·5	+0·7	−1·3	−0·2	+0·1	−1·0	−1·2

TABLE XIV.—*Departures from the normal of the mean monthly and annual temperatures in 55 of the 57 meteorological districts or divisions of India in 1905*—concld.

Province.	Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		°	°	°	°	°	°	°	°	°	°	°	°	°
Bombay (North)	45. Gujarat	−1·8	−5·1	−3·7	−3·1	+2·4	+2·5	+0·3	+1·9	+1·6	+2·4	+3·4	+0·8	+0·1
	46. Kathiawar and Cutch	−2·7	−5·1	−4·2	−3·5	+1·0	−0·2	+0·4	+1·3	+1·4	+1·9	+2·9	+1·1	−0·5
	47. Sind	−3·6	−6·4	−4·4	−2·0	+2·4	−0·3	+1·9	+0·9	+0·6	+1·7	+4·1	+2·2	−0·2
	48. Baluchistan Hills	−3·5	−8·4	−6·6	−2·4	+0·5	−1·4	+0·3	+0·8	−4·4	+2·2	+2·0	−1·6	−1·9
Rajputana and Central India.	49. Central India East	−2·1	−7·6	−4·2	−5·0	+2·1	+4·6	+1·2	+2·1	+0·6	+1·3	+2·8	+0·4	−0·3
	50. Rajputana East, Central India West.	−2·4	−8·8	−5·0	−4·6	+4·2	+3·5	+2·8	+8·1	+3·2	+3·6	+4·9	+0·5	+0·8
	51. West Rajputana	−4·4	−9·2	−6·0	−4·4	+4·6	+0·4	+2·2	+3·2	+1·3	+1·4	+3·2	+1·4	−0·5
Madras	52. East Coast North	+0·1	−1·7	−0·1	−1·0	−2·2	+2·7	+1·3	+1·0	−0·3	+0·5	+0·4	−0·4	0
	53. Hyderabad South	+0·4	−2·1	−0·9	−1·5	+1·0	+2·6	+1·6	+0·2	+1·8	+0·7	+1·9	−0·2	+0·5
	54. Madras Central	+1·7	+1·0	+0·4	−0·6	+0·5	+0·8	+2·3	−0·1	+3·1	+0·7	+2·1	+0·2	+1·0
	55. East Coast Central	−0·7	+0·5	+1·1	−1·0	−2·2	+2·6	+3·3	+0·5	+1·3	0	+1·2	−1·3	+0·4
	56. East Coast South	−0·1	+1·8	+2·2	−0·4	−0·9	+1·7	+2·6	+1·1	+2·0	+0·4	+1·5	−0·6	+0·9
	57. Madras South	+0·1	+0·9	+2·1	−0·9	−0·7	−0·3	+1·8	+1·3	+0·7	+0·3	0	+0·5	+0·5

In the discussion of the meteorology of India, during the year 1905, the year is divided into four seasons according to the following arrangement:—

1st.—The cold weather period, including the months of January and February.

2nd.—The hot weather period, including the months of March, April and May.

3rd.—The period of the south-west monsoon rains proper, including the months of June, July, August and September.

4th.—The period of the retreating south-west monsoon, including the months of October, November and December.

The following is a summary of the most important temperature conditions during the year:—

I. The cold weather period.—Weather was unusually stormy during this period in northern India and the rainfall there was accordingly much above the average. The snowfall in the hill districts bordering upper India was also greatly in excess of the normal, and in some places occurred as low down as 1,800 feet. The chief feature of the weather, however, was the intense cold in extra tropical India, the season in this respect being the coldest on record. Several cold waves advanced across the country from Baluchistan to Upper Burma. The most remarkable of the series were those of January 21st to the 26th and January 27th to February 3rd. During their passage maximum temperature was from 12° to 32° and night temperature from 8° to 26° below the normal and sharp frost was experienced both in the hills and plains; ordinarily the effects of cold waves are restricted to northern India, but on these occasions they were felt as far south as the parallel of 16° N.

The lowest temperatures of the period and also of the year in Persia, Afghanistan and north-western and central India were generally recorded during the passage of the second of the two waves described above, and were in many cases lower than any previously on record.

(*a*) The mean daily maximum temperature of the period January and February was below the normal over the whole of the country with the exception of Mysore and south and central Madras. The defect was greatest in the Punjab (8°·4) and Rajputana (8°·1) whence it diminished eastwards and southwards, being replaced by a very slight excess

in Madras: also it was much greater in February than in January

Province or Division.	Departure of maximum temperature from normal in		
	January.	February.	Cold weather period, January and February.
	°	°	°
Burma	−2·5	−2·7	−2·6
Assam	−2·4	−6·3	−4·4
Bengal	−2·1	−7·0	−4·6
Orissa	−2·2	−7·1	−4·7
Bihar	−3·2	−8·2	−5·7
Chota Nagpur	−3·3	−9·6	−6·5
United Provinces of Agra and Oudh	−4·7	−10·6	−7·7
Punjab	−6·2	−10·6	−8·4
North-West Frontier Province	−5·7	−8·8	−7·3
Sind	−5·6	−8·4	−7·0
Rajputana	−5·1	−11·1	−8·1
Gujarat	−3·3	−5·7	−4·5
Central India	−3·3	−8·7	−6·0
Central Provinces	−1·2	−7·0	−4·1
Berar	−0·6	−5·9	−3·3
West Coast	−1·3	−1·7	−1·5
Bombay Deccan	−1·4	−3·2	−2·3
Hyderabad	−0·4	−2·4	−1·4
Mysore	+1·2	+1·3	+1·3
Madras Coast	−0·1	−0·1	−0·1
Madras Deccan	+0·9	−0·3	+0·3
South India	+1·1	+1·4	+1·3

(*b*) The departures of minimum temperature although similar in character to those of the day temperature were much smaller in amount. Night temperature was normal in Burma, in slight excess in Madras and Mysore and in moderate to considerable defect over the remainder of the country. The deficiency was most pronounced (4°·2) in the North-West Frontier Province.

Province or Division.	Departure of minimum temperature from normal in		
	January.	February.	Cold weather period, January and February.
	°	°	°
Burma	+0·3	−0·3	0
Assam	−1·8	−6·2	−4·0
Bengal	−0·7	−6·0	−3·4
Orissa	+0·2	−3·6	−1·7
Bihar	−1·0	−6·4	−3·7
Chota Nagpur	+0·1	−5·5	−2·7
United Provinces of Agra and Oudh	−0·7	−6·2	−3·5
Punjab	−0·3	−5·9	−3·1
North-West Frontier Province	−1·1	−7·2	−4·2
Sind	−1·7	−4·4	−3·1
Rajputana	−1·2	−6·8	−4·0
Gujarat	−1·3	−[illegible]·4	−2·9
Central India	−0·8	−6·5	−3·7
Central Provinces	−0·5	−6·9	−3·7
Berar	−0·4	−6·7	−3·6
West Coast	0	−1·7	−0·9
Bombay Deccan	0	−4·5	−2·3
Hyderabad	+1·1	−1·7	−0·3
Mysore	+0·5	+1·5	+1·0
Madras Coast	−0·5	+1·0	+0·3
Madras Deccan	+2·4	+2·3	+2·4
South India	+0·5	+2·4	+1·5

(*c*) Save in Madras and Mysore mean temperature was lower than usual throughout the country, the deficiency being considerably greater in February than in January. The depression was absolutely greatest in the Punjab, the North-West Frontier Province and Rajputana, where it averaged 5°·9 in amount.

Province or Division.	Departure of mean temperature from normal in		
	January.	February.	Cold weather period, January and February.
	°	°	°
Burma	−1·1	−1·5	−1·3
Assam	−2·1	−6·3	−4·2
Bengal	−1·4	−6·5	−4·0
Orissa	−1·0	−5·4	−3·2
Bihar	−2·1	−7·3	−4·7
Chota Nagpur	−1·6	−7·6	−4·6
United Provinces of Agra and Oudh	−2·7	−8·4	−5·6

Province or Division.	Departure of mean temperature from normal in		
	January.	February.	Cold weather period, January and February.
	°	°	°
Punjab	−3·3	−8·3	−5·8
North-West Frontier Province	−3·4	−8·0	−5·7
Sind	−3·7	−6·4	−5·1
Rajputana	−3·2	−9·0	−6·1
Gujarat	−2·3	−5·1	−3·7
Central India	−2·1	−7·6	−4·9
Central Provinces	−0·9	−7·0	−4·0
Berar	−0·5	−6·3	−3·4
West Coast	−0·7	−1·7	−1·2
Bombay Deccan	−0·7	−3·9	−2·3
Hyderabad	+0·4	−2·1	−0·9
Mysore	+0·9	+1·4	+1·2
Madras Coast	−0·3	+0·5	+0·1
Madras Deccan	+1·7	+1·0	+1·4
South India	+0·8	+1·9	+1·4

(*d*) As is almost invariably the case during this period, there was a marked contrast between the temperature conditions of northern and southern India.

(*e*) The deficiency of temperature was even more marked at the hill stations than in the adjacent plains, and was much greater in the day than in the night temperature. As might be expected from the character of the snowfall conditions of the period, the greatest depression of temperature occurred at the Sub-Himalayan stations :—

Station.	Departure of mean temperature from normal.		
	January.	February.	Period, January and February.
	°	°	°
Murree	−8·2	−12·8	−10·5
Simla	−3·1	−10·2	−6·7
Chakrata	−5·6	−10·6	−8·1
Ranikhet	−5·9	−11·8	−8·9

(*f*) The low temperature conditions in northwest India extended northwards to Kashgar and westwards to Kabul and Baghdad :—

Station.	Departure from normal of period, January and February		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Baghdad	−2·0	−3·9	−3·0
Teheran	−2·4	−4·5	−3·5
Ispahan	−3·9	−4·4	−4·2
Bushire	−2·1	−2·7	−2·4
Jask	−2·8	−1·6	−2·2
Chaman	−7·3	−4·9	−6·1
Quetta	−8·4	−4·7	−6·6
Kabul	−9·7	−7·8	−8·8
Gilgit	−3·1	−3·5	−3·3
Srinagar	−2·7	+0·1	−1·3
Kashgar	−4·8	−6·6	−5·7
Kailang	−2·9	−2·4	−2·7
Leh	−4·9	−4·3	−4·6

II. The hot weather period.—The cold weather conditions which usually do not outlast the first half of March were in the present year prolonged well into April; in fact the meteorology of March and the first three weeks of April was in all its essential features similar to that of January and February. Weather was unusually rainy in the plains of northern India and moderate to heavy snow fell in the western Himalayas. Conditions were, on the other hand, more settled than usual during the remainder of the period, except in north-east India and the south of the Peninsula, where the usual thundershowers were more frequent than usual.

(1) Maximum temperature was on the average of the whole period, March to May, in defect of the normal over practically the whole of the country, the defect being largest over northern India, where it ranged from 1°·7 in Sind to 5°·3 in Bihar and the United Provinces :—

Province or Division.	Departure of maximum temperature from normal in			
	March.	April.	May.	Period, March to May.
	°	°	°	°
Burma	−2·9	−1·8	+1·6	−1·0
Assam	−4·7	−3·6	−0·6	−3·0
Bengal	−5·2	−5·0	−2·6	−4·3
Orissa	−3·4	−4·3	−2·1	−3·3
Bihar	−6·0	−6·4	−3·6	−5·3
Chota Nagpur	−5·6	−6·3	−2·2	−4·7
United Provinces of Agra and Oudh.	−8·3	−6·5	−1·0	−5·3
Punjab	−9·6	−5·4	+1·9	−4·4
North-West Frontier Province	−9·4	−4·2	+1·4	−4·1

Province or Division.	Departure of maximum temperature from normal in			
	March.	April.	May.	Period, March to May.
	°	°	°	°
Sind	−6·7	−2·0	+3·5	−1·7
Rajputana	−7·9	−5·1	+4·3	−2·9
Gujarat	−6·3	−3·4	+2·5	−2·4
Central India	−6·6	−5·9	+2·3	−3·4
Central Provinces	−3·9	−5·2	+1·4	−2·6
Berar	−3·4	−3·3	+3·6	−1·0
West Coast	−1·8	−3·1	−0·8	−1·9
Bombay Deccan	−2·6	−1·7	+3·0	−0·4
Hyderabad	−1·2	−1·3	+0·8	−0·6
Mysore	+0·4	+1·6	+0·5	+0·8
Madras Coast	+0·5	−1·2	−1·7	−0·8
Madras Deccan	−0·3	−0·4	+0·5	−0·1
South India	+1·4	−1·5	−0·8	−0·3

(2) The departures from normal of minimum temperature were generally of the same sign (*i.e.*, negative) as those of the day temperature, though, as might be expected from the determining conditions, not so large in amount:—

Province or Division.	Departure of minimum temperature from normal in			
	March.	April.	May.	Period, March to May.
	°	°	°	°
Burma	+0·6	−2·0	+0·6	−0·3
Assam	−1·6	−4·5	+0·2	−2·0
Bengal	−1·9	−4·5	−0·7	−2·4
Orissa	0	−2·5	−0·9	−1·1
Bihar	−2·4	−6·1	−1·7	−3·4
Chota Nagpur	−1·9	−5·6	−2·3	−3·3
United Provinces of Agra and Oudh.	−3·4	−5·4	−0·2	−3·0
Punjab	−3·5	−3·4	+3·0	−1·3
North-West Frontier Province	−4·8	−4·3	+1·9	−2·4
Sind	−2·2	−1·9	+1·3	−0·9
Rajputana	−3·0	−3·8	+4·3	−0·8
Gujarat	−1·7	−3·0	+1·0	−1·2
Central India	−1·7	−4·1	+1·9	−1·3
Central Provinces	−1·4	−4·2	+1·1	−1·5
Berar	−1·3	−3·7	+3·4	−0·5
West Coast	−2·2	−2·5	−0·5	−1·7
Bombay Deccan	−2·4	−4·0	+1·8	−1·5
Hyderabad	−0·5	−1·6	+1·2	−0·3
Mysore	−0·3	−0·6	+0·8	0
Madras Coast	+2·3	+0·1	−1·1	+0·4
Madras Deccan	+1·0	−0·8	+0·4	+0·2
South India	+2·0	+0·2	+0·1	+0·8

(3) Mean daily temperature was practically normal in Burma, Madras, Mysore and Hyderabad and more or less below the average over the rest of India. The deficiency exceeded 2° in amount over a large part of northern India, and was absolutely greatest in Bihar, where it averaged nearly 4½°:—

Province or Division.	Departure of mean temperature from normal in			
	March.	April.	May.	Period, March to May.
	°	°	°	°
Burma	−1·2	−1·9	+1·1	−0·7
Assam	−3·2	−4·1	−0·2	−2·5
Bengal	−3·6	−4·8	−1·7	−3·4
Orissa	−1·7	−3·4	−1·5	−2·2
Bihar	−4·2	−6·3	−2·7	−4·4
Chota Nagpur	−3·8	−6·0	−2·3	−4·0
United Provinces of Agra and Oudh.	−5·9	−6·0	−0·6	−4·2
Punjab	−6·6	−4·4	+2·5	−2·8
North-West Frontier Province	−7·1	−4·3	+1·7	−3·2
Sind	−4·5	−2·0	+2·4	−1·4
Rajputana	−5·5	−4·5	+4·3	−1·9
Gujarat	−4·0	−3·2	+1·8	−1·8
Central India	−4·2	−5·0	+2·1	−2·4
Central Provinces	−2·7	−4·7	+1·3	−2·0
Berar	−2·4	−3·5	+3·5	−0·8
West Coast	−2·0	−2·8	−0·7	−1·8
Bombay Deccan	−2·5	−2·9	+2·4	−1·0
Hyderabad	−0·9	−1·5	+1·0	−0·5
Mysore	+0·1	+0·5	+0·7	+0·4
Madras Coast	+1·4	−0·6	−1·4	−0·2
Madras Deccan	+0·4	−0·6	+0·5	+0·1
South India	+1·7	−0·7	−0·4	+0·2

It is noteworthy that, notwithstanding the protracted and unusually heavy snowfall, temperature was well above the normal in north-west India in May.

(4) Weather was as cool in Kashgar, Kashmir, Afghanistan, Baluchistan and Persia as in northern India, an indication that the condition was determined by general and not local actions.

Baghdad apparently marked the westerly limit of the zone of low temperature :—

Station.	Departure from normal of period, March to May.		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Baghdad	+1·6	—0·2	+0·7
Ispahan	—3·2	—0·1	—1·7
Bushire	—2·1	—0·3	—1·2
Jask	—2·5	—1·2	—1·9
Chaman	—7·1	—4·2	—5·7
Quetta	—3·3	—2·5	—2·9
Kabul	—2·6	—4·1	—3·4
Gilgit	—4·6	—3·5	—4·1
Srinagar	—3·9	—1·9	—2·9
Kashgar	—3·0	—3·7	—3·4
Kailang	—6·5	—2·8	—4·7
Leh	—5·4	—3·1	—4·3

(5) Temperature increased at a much more rapid rate than usual in the first half of May in north-west India, and the highest temperatures of the year there were recorded during this period. The absolute maximum was as usual registered at Jacobabad, and was 1° higher than the highest previously recorded there in May.

In years of ordinary conditions the hot weather conditions in upper India do not attain their maximum intensity until about the fourth week in May, but in 1905, in spite of heavy snowfall, this point was reached considerably earlier than usual.

III.—The south-west monsoon period.—As is usually the case during this period, the departures of temperatures from the normal were related directly to the abnormalities of the rainfall distribution. The arrival of the monsoon was delayed considerably in Bengal and slightly on the West coast. The Arabian Sea current was very weak and unsteady up till August 21st, after which it improved partially. It was fairly vigorous during the next three weeks, and under the influence of a cyclonic storm gave much-needed rain over the tract of country lying between the Circars and the North-West Frontier Province in the second week of September. The current withdrew abruptly from practically the whole of its field on the 14th and 15th. The Bay current was fairly active until about the end of September, but was determined chiefly to Burma and northeast India.

(*a*) On the mean of the period temperature was higher than usual over the whole of India, excepting Burma and Assam, where it was in very slight defect. The excess accompanied less cloud and rain than the average, and as usual under these conditions was on the whole more marked in the day than in the night temperature :—

Province or Division.	Departure from normal of period, June to September.		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Burma	—0·7	+0·5	—0·1
Assam	—0·4	—0·2	—0·3
Bengal	+0·4	+0·3	+0·4
Orissa	+2·0	+1·0	+1·5
Bihar	+0·2	+0·4	+0·3
Chota Nagpur	+2·3	+2·0	+2·2
United Provinces of Agra and Oudh	+2·4	+1·6	+2·0
Punjab	+2·3	+2·8	+2·6
North-West Frontier Province	+0·8	+1·7	+1·3
Sind	+1·5	0	+0·8
Rajputana	+4·1	+2·1	+3·1
Gujarat	+1·6	+0·8	+1·2
Central India	+2·5	+1·8	+2·2
Central Provinces	+2·1	+1·2	+1·7
Berar	+1·8	+1·5	+1·7
West Coast	+0·9	+0·8	+0·9
Bombay Deccan	+2·2	+0·7	+1·5
Hyderabad	+1·6	+1·5	+1·6
Mysore	+1·6	+0·4	+1·0
Madras Coast	+2·4	+1·1	+1·8
Madras Deccan	+2·1	+0·9	+1·5
South India	+0·9	+0·7	+0·8

(*b*) As might be expected from the continued deficiency of rain, the excess was not only greatest, but also persistent, throughout the period in the Punjab, Rajputana, Central India, Chota Nagpur and the United Provinces.

(*c*) Temperature was on the mean of the period lower than usual in Kashmir and Baluchistan, the defect being greatest at the most elevated station of Leh, where it amounted to 2·8°, and

was, on the other hand, in excess of the normal in Persia, Afghanistan and Kashgar :—

Station.	Departure of mean temperature from normal in				
	June.	July.	August.	September.	Period, June to September.
	°	°	°	°	°
Baghdad	+3·3	+3·3	+2·0	+2·7	+2·8
Ispahan	+0·4	+1·0	+3·4	—0·7	+1·0
Bushire	0	—0·5	—0·7	—0·3	—0·4
Jask	—0·5	+0·9	+1·1	+0·3	+0·5
Chaman	—2·5	—1·3	—0·9	—4·0	—2·2
Quetta	—0·9	+0·1	+0·7	—1·6	—0·4
Kabul	—0·8	+1·3	+1·6	+2·6	+1·2
Gilgit	—4·1	—0·5	+0·5	—3·8	—2·0
Srinagar	—0·6	+1·1	+2·0	+0·3	+0·7
Kashgar	+0·8	—1·8	+2·5	+1·5	+0·8
Kailang	—1·8	—0·8	—0·1	—1·6	—1·1
Leh	—3·2	—3·6	—1·9	—2·4	—2·8

IV.—The retreating south-west monsoon period.—The monsoon current over the Bay retreated more quickly than usual and arrived in the south of the Peninsula on October 5th, five days before its usual date. It was very active during the next thre weeks over the greater part of Burma, Eastern Bengal and Assam and the Peninsula, to the south of Lat. 15°, which areas accordingly received rainfall amounts much in excess of the normal. The current weakened materially towards the end of the month and showed much less than its normal rain-giving capacity until about the 6th of December, when it revived for a short period over the east of its field. Monsoon winds withdrew finally from the Bay on December 10th or 11th, *i.e.*, about their normal date. The cessation of the retreating monsoon rains was followed by unsettled conditions in Baluchistan, the Punjab and Kashmir. Two depressions of the cold weather type affected the weather in these areas during the second fortnight of December and caused frequent falls of rain and snow.

(1) Owing to the prevalence of finer weather than usual in the Peninsula, the daily maximum temperature was on the mean of the period from 1° to 2½° in excess, and the night temperature practically normal or in defect. Mean temperature was consequently normal over by far the greater part of the area.

(2) The departures from normal of maximum and minimum temperatures were generally small in amount, but opposite in character in Burma, Assam, Orrissa, Bihar, Chota Nagpur and the United Provinces. Mean temperature in these areas accordingly agreed very closely with the normal.

(3) Temperature was higher than usual, both by day and night, in the region, including Sind, Rajputana, Gujarat and Central India. In the Punjab and North-West Frontier Province the night temperature was above the normal throughout the period, and the day temperature in October and November, the defect of the latter in December being a result of the unsettled cloudy weather of the second half of the month :—

Province or Division.	Departure from normal of period, October to December.		
	Maximum temperature.	Minimum temperature.	Mean temperature.
	°	°	°
Burma	—0·7	+1·1	+0·2
Assam	—0·6	+0·4	—0·1
Bengal	+0·5	+0·4	+0·5
Orissa	+0·4	—1·0	—0·3
Bihar	+0·3	—0·3	0
Chota Nagpur	+0·6	—0·3	+0·2
United Provinces of Agra and Oudh	+1·7	—0·1	+0·8
Punjab	+0·3	+2·3	+1·3
North-West Frontier Province	—0·6	+2·4	+0·9
Sind	+2·6	+2·9	+2·8
Rajputana	+2·5	+2·9	+2·7
Gujarat	+2·3	+1·8	+2·1
Central India	+2·6	+0·3	+1·5
Central Provinces	+1·3	—1·1	+0·1
Berar	+1·8	—1·2	+0·3
West Coast	+0·5	+0·5	+0·5
Bombay Deccan	+2·1	+0·9	+1·5
Hyderabad	+1·4	+0·2	+0·8
Mysore	+2·3	—0·2	+1·1
Madras Coast	+0·2	—0·2	+0·4
Madras Deccan	+1·7	+0·3	+1·0
South India	+1·0	—0·4	+0·3

(4) In regions beyond upper India temperature was unusually high in October and November, but fell below the normal in December, owing apparently to an early setting in

of the winter conditions. Kasghar was, however, unaffected by this change :—

Station.	Departure of mean temperature from normal in			
	October.	November.	December.	Period, October to December.
	°	°	°	°
Baghdad	+4·1	+3·0	−3·6	+1·2
Ispahan	+3·2	+2·4	−2·1	+1·2
Bushire	+0·5	+1·3	−2·5	−0·2
Jask	−0·7	+0·5	−0·7	−0·3
Chaman	+0·8	+1·2	−1·8	+0·1
Quetta	+1·8	+3·4	−0·7	+1·5
Kabul	+3·1?	+0·6	−7·4	−1·2?
Gilgit	+0·8	+1·2	−1·0	+0·3
Srinagar	+2·9	+1·4	−0·8	+1·2
Kashgar	+2·4	+1·5	+1·1	+1·7
Kailang	+0·6	+1·3	−4·0	−0·7
Leh	+0·4	+0·5	−1·5	−0·2

The year.—The more important abnormal features of the temperature conditions were—

(*a*) The decrease of temperature which had characterized the previous two years was maintained in 1905, which was on the average of the whole of the Indian land area cooler than 1904, and both were much cooler than any year subsequent to 1893. The fall since 1902 has amounted altogether to $1\frac{1}{2}°$ and since 1896, the hottest year on record, to $1\frac{3}{4}°$.

The important change that has occurred in the temperature conditions since 1902 is illustrated by the following table, giving the mean departure and progressive change of the mean actual temperature of the past 16 years :—

Year.	Number of stations.	Mean departure.	Progressive change.
		°	°
1890	85	+0·13	+0·73
1891	72	−0·03	−0·16
1892	74	+0·66	+0·69
1893	68	−1·33	−1·99
1894	66	+0·11	+1·44
1895	69	+0·35	+0·24
1896	67	+1·30	+0·95
1897	75	+0·90	−0·40
1898	75	+0·65	−0·25
1899	52	+0·73	+0·13
1900	50	+1·17	+0·39
1901	50	+0·63	−0·54
1902	49	+1·06	+0·43
1903	46	+0·18	−0·88
1904	46	−0·03	−0·21
1905	46	−0·42	−0·39

(*b*) The coolness occurred almost entirely during the first four months of the year, and was partly at least attributable to the occurrence of unusually heavy and prolonged snowfall of the period. Temperature was, on the other hand, steadily above the average during the succeeding seven months and practically normal in December :—

Month.	Departure from normal of mean temperature in		
	Extra-tropical India (from Table II).	Tropical India (from Table II).	Whole India (from Table II).
	°	°	°
January	−2·7	−0·4	−1·5
February	−7·5	−2·0	−4·7
March	−5·2	−1·2	−3·1
April	−4·2	−1·9	−3·0
May	+1·1	+0·9	+1·0
June	+1·9	+1·7	+1·8
July	+0·7	+0·9	+0·8
August	+1·5	+0·7	+1·1
September	+0·5	+0·4	+0·4
October	+1·0	+0·5	+0·7
November	+1·7	+1·3	+1·5
December	−0·5	0	−0·2
Whole year	−1·0	+0·1	−0·4

(*c*) The departures of temperature from the normal were in eleven of the twelve months of the same sign over tropical as in extra-tropical India. Since in ordinary years the temperature conditions in those two regions tend to vary in opposite directions, the similarity of the departures in 1905 would appear to indicate that more general actions were in operation than usual.

Atmospheric pressure.

Full information regarding the barometers in use at Indian observatories and of the methods of reducing the observations and obtaining the mean daily and monthly pressures will be found in the annual reports of previous years (*e.g.*, pages 58 and 59 of the report for 1890) and also in pages 9 and 10 of the monthly review for January, 1905.

In Table II of each monthly review the monthly mean daily pressure (corrected for temperature) is given in the sixth column and the departure from the normal in the seventh column. The normal monthly mean pressure values have been recalculated for all first and second class stations, data up to 1899 being utilized, and will be found in pages 66—69 of the "Indian Meteorological Memoirs," Vol. XVII. The departure data in the monthly reviews for the year 1905 were obtained by a comparison of the actual monthly means with these normals, and the departures of the monthly pressures of all first and second class stations in 1905 are given in Table XV. The figures in the sixth and seventh columns of Table II appended to the present Annual Summary, giving data of the mean pressure of the air and its departures from the normal for all first and second class stations, are comparable with the corresponding data of previous years published in the annual reports and summaries.

In the eighth column of Table II in each monthly review the mean pressures reduced to sea-level and corrected to constant gravity (Lat. 45) are given. These, it should be noted, are not directly comparable with the sea-level pressure values of the years 1875—90 as given in the annual reports for those years, for previous to 1891 no correction was made to reduce the monthly pressure means to standard gravity.

In Table I of each monthly review, and also in that appended to the Annual Summary, the pressure data are given for a fixed hour (*viz.*, 8 hrs. local time) of the day. The fourth column in that table gives the mean 8 hrs. pressures for the month corrected for temperature. In the fifth column are given the departures of these mean 8 hrs. pressures from the normal pressures.

TABLE XV.—*Departures from normal of monthly and annual mean pressures in 1905.*

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
Burma Coast and Bay Islands.	Port Blair	+·052	+·035	+·034	+·058	+·019	+·017	+·017	+·032	+·019	+·021	+·079	+·005	+·032
	Rangoon	+·026	−·009	+·014	+·032	+·012	−·031	−·011	+·016	−·012	−·012	+·068	−·011	+·007
	Diamond Island	+·023	+·008	+·014	+·043	+·005	−·018	−·007	+·020	−·002	−·007	+·068	−·016	+·011
	Akyab	+·017	+·021	+·007	+·057	+·013	−·026	−·015	+·034	−·007	−·008	+·067	−·013	+·012
Bengal and Orissa.	Chittagong	+·024	+·054	+·015	+·061	+·019	−·030	−·024	+·018	−·021	−·010	+·076	−·015	+·014
	Calcutta (Alipore)	+·018	+·069	+·015	+·082	+·044	−·020	−·015	+·019	−·029	−·009	+·057	−·030	+·017
	Saugor Island	+·009	+·051	−·005	+·070	+·022	−·034	−·027	+·018	−·032	−·009	+·033	−·019	+·006
	False Point	+·012	+·042	−·002	+·067	+·026	−·026	−·004	+·015	−·040	−·004	+·071	−·018	+·012
Gangetic Plain and Chota Nagpur.	Hazaribag	+·003	+·024	−·005	+·046	+·005	−·012	−·021	+·003	−·040	+·001	+·041	−·030	+·001
	Allahabad	+·017	+·061	+·029	+·075	+·013	−·006	+·003	+·008	−·022	−·019	+·040	−·029	+·014
Upper Sub-Himalayas.	Dehra Dun	+·014	+·036	+·003	+·043	+·011	−·006	−·033	−·016	−·017	−·018	+·030	−·035	+·001
	Roorkee	+·024	+·069	+·026	+·000	+·012	−·008	−·021	−·015	−·013	−·021	+·031	−·024	+·010
	Meerut	+·019	+·057	+·023	+·058	+·007	−·008	−·015	−·020	−·014	?	?	?	?
	Lahore	+·015	+·057	+·012	+·061	−·004	−·014	−·030	−·035	−·023	−·016	+·033	−·031	+·002
	Ludhiana	+·014	+·057	+·012	+·062	+·007	−·008	−·020	−·033	−·035	−·023	+·025	−·037	+·002
Indus Valley and North-West Rajputana.	Peshawar	−·009	+·042	−·006	+·056	+·008	−·008	−·029	−·023	−·015	−·023	+·043	−·016	+·002
	Jacobabad	+·041	+·073	+·026	+·050	+·005	+·007	−·044	−·043	−·044	−·065	+·014	−·014	+·001
	Kurrachee	+·044	+·069	+·025	+·059	+·008	+·035	−·011	+·028	−·002	−·012	+·038	−·018	+·022

TABLE XV.—*Departure from normal of monthly and annual mean pressures in 1905*—concld.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
East Rajputana, Central India and Gujarat.	Jaipur	+·007	+·044	+·010	+·057	+·010	+·022	−·007	+·006	−·017	−·006	+·045	−·020	+·013
	Deesa	+·022	+·055	+·021	+·054	−·005	+·041	−·014	+·029	−·003	−·008	+·050	0	+·020
Deccan	Belgaum	+·014	+·010	+·011	+·044	+·010	+·034	+·032	+·017	−·002	−·001	+·055	+·001	+·019
	Sholapur	0	+·006	+·001	+·043	−·003	+·024	+·016	+·021	−·013	−·005	+·062	−·001	+·013
	Akola	+·013	+·034	+·011	+·057	−·011	+·028	+·011	+·027	0	0	+·059	−·014	+·018
	Buldana	−·033	−·015	−·025	+·021	−·018	+·022	−·003	+·010	−·019	−·011	+·044	−·022	−·004
	Khandwa	+·011	+·041	+·012	+·051	−·008	+·023	+·005	+·027	−·010	0	+·052	−·005	+·017
	Nagpur	+·017	+·039	+·010	+·073	+·007	+·015	+·019	+·031	−·004	+·017	+·077	−·001	+·025
	Hidyerabad (Deccan)	+·011	+·038	−·010	+·035	+·008	+·017	+·020	+·023	−·001	+·011	+·071	−·008	+·018
West Coast.	Bombay	+·032	+·034	+·034	+·059	+·005	+·052	+·022	+·022	+·004	−·009	+·043	+·001	+·025
	Karwar	+·045	+·018	+·035	+·067	+·014	+·040	+·036	+·021	+·007	+·004	+·054	+·010	+·029
South India.	Salem	+·015	−·018	−·010	+·037	+·002	+·015	+·011	−·002	−·009	−·004	+·059	+·004	+·008
	Chitaldroog	+·016	+·006	+·009	+·036	+·003	+·038	+·023	+·016	−·003	−·005	+·041	−·007	+·014
	Bangalore	+·008	−·003	+·004	+·040	+·011	+·016	+·022	+·007	−·006	−·003	+·057	−·002	+·013
	Hassan	+·023	+·012	+·020	+·050	+·018	+·050	+·047	+·026	+·011	+·005	+·045	+·002	+·026
	Mysore	+·006	+·003	+·005	+·031	−·003	+·033	+·029	+·010	−·006	−·010	+·035	−·014	+·010
	Madras	+·019	−·004	−·011	+·046	+·020	+·001	+·007	−·002	−·012	+·001	+·063	+·001	+·011
	Bellary	−·001	−·012	−·005	+·023	−·015	+·002	0	−·001	−·024	−·015	+·045	−·021	−·002
	Waltair	+·024	+·017	+·013	+·071	+·036	−·003	+·023	+·029	−·021	+·004	+·083	−·004	+·023
Hill Station Baluchistan.	Quetta	−·030	−·025	−·028	+·023	?	+·019	−·001	+·016	+·008	+·001	+·052	−·030	?
Hill Stations, Northern India.	Leh	−·098	−·141	−·145	0	+·058	+·022	−·002	−·013	+·002	+·010	+·024	−·064	−·029
	Srinagar	−·083	−·05	−·064	+·017	+·029	+·019	−·023	−·001	+·001	−·007	+·030	−·040	−·015
	Simla (Ridge)	−·041	−·063	−·071	+·004	+·031	+·011	−·004	+·008	−·009	−·006	+·043	−·042	−·012
	Chakrata	−·039	−·050	−·058	−·001	+·024	+·010	−·005	+·002	+·002	−·005	+·041	−·044	−·009
	Ranikhet	−·019	−·039	−·040	+·015	+·017	0	−·016	−·006	−·008	−·005	+·037	−·033	−·008
	Katmandu	0	+·018	−·012	+·048	+·038	+·004	+·012	+·010	+·002	+·010	+·057	−·016	+·014
	Darjeeling	−·043	−·060	−·062	−·009	+·024	−·012	−·009	−·002	−·010	−·020	+·024	−·046	−·019
Hill Stations, Central India.	Mount Abu	−·019	−·011	−·034	+·027	+·021	+·036	−·018	+·025	−·007	−·003	+·052	−·010	+·005
	Pachmarhi	−·028	−·024	?	?	?	?	?	?	−·024	+·006	+·067	−·004	?
	Chikalda	−·040	−·030	−·035	+·018	+·001	+·039	0	+·018	−·023	+·003	+·049	−·034	−·003
Extra Indian Stations.	Aden	+·017	+·028	−·023	+·031	+·027	+·046	+·037	+·019	−·013	−·019	+·033	−·010	+·014
	Perim	+·028	+·061	0	+·046	+·028	+·059	+·031	+·018	+·024	−·003	+·040	−·003	+·027
	Zanzibar	+·022	+·026	+·023	+·029	−·006	−·029	?	−·018	−·054	−·030	−·034	−·054	?
	Port Victoria (Seychelles.)	+·024	+·021	+·019	+·036	−·005	+·029	−·009	−·007	−·012	+·006	+·023	−·018	+·009
	Mauritius	−·036	+·021	−·048	+·034	+·026	−·007	−·022	−·003	−·048	−·016	−·005	−·039	−·012

The following tables give summaries of the pressure departure data according to the two groups of divisions employed in the corresponding tables of temperature departure data, that is, for the sixteen divisions for which the departure data were given in the "Geographical Summaries" in the annual reports previous to 1891 and the eleven meteorological provinces in Table I of each monthly review:—

TABLE XVI.—*Geographical summary of the pressure departure data of Table II in the Monthly Weather Reviews of 1905.*

Meteorological Province.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
North-West Himalayas	5	−·050	−·071	−·076	+·007	+·032	+·012	−·010	−·002	−·002	−·003	+·035	−·045	−·014
Sikkim Himalayas and Nepal.	2	−·022	−·021	−·037	+·020	+·031	−·004	+·002	+·004	−·004	−·005	+·041	−·031	−·002
Punjab Plains	3	+·007	+·052	+·006	+·060	+·004	−·010	−·026	−·030	−·024	−·021	+·034	−·028	+·002
Gangetic Plain	3·4	+·019	+·056	+·020	+·059	+·011	−·007	−·017	−·011	−·017	−·019	+·034	−·029	+·008
Western Rajputana	4	+·022	+·047	+·010	+·048	+·007	+·030	−·022	+·010	−·014	−·022	+·039	−·011	+·012
Eastern Rajputana and Central India.	1	+·007	+·044	+·010	+·057	+·010	+·022	−·007	+·006	−·017	−·006	+·045	−·020	+·013
Nerbudda Valley	1	+·011	+·041	+·012	+·051	−·008	+·023	+·005	+·027	−·010	0	+·052	−·005	+·017
Chota Nagpur	1	+·003	+·024	−·005	+·046	+·005	−·012	−·021	+·003	−·040	+·001	+·041	−·030	+·001
Lower Bengal	2	+·014	+·060	+·005	+·076	+·033	−·027	−·021	+·019	−·031	−·009	+·045	−·025	+·012
Orissa	1	+·012	+·042	−·002	+·067	+·026	−·026	−·004	+·015	−·040	−·004	+·071	−·018	+·012
Central Provinces (South) and Berar.	4·5	−·014	+·001	−·010	+·042	−·005	+·026	+·007	+·022	−·014	+·003	+·059	−·015	+·009
Konkan	2	+·039	+·026	+·035	+·063	+·010	+·046	+·029	+·022	+·006	−·003	+·049	+·005	+·027
Deccan, Hyderabad and Mysore.	8	+·010	+·008	+·004	+·038	+·004	+·027	+·024	+·015	−·006	−·003	+·051	−·006	+·014
East Coast and Carnatic.	3	+·019	−·002	−·003	+·051	+·019	+·004	+·014	+·008	−·014	0	+·068	0	+·014
Arakan and Pegu	4	+·023	+·019	+·013	+·048	+·012	−·026	−·014	+·022	−·011	−·009	+·070	−·014	+·011
Bay Islands	1	+·052	+·035	+·034	+·058	+·019	+·017	+·017	+·032	+·019	+·021	+·079	+·005	+·032
Extra-Tropical India	22-23	−·003	+·017	−·013	+·043	+·016	+·004	−·015	−·001	−·015	−·012	+·038	−·027	+·003
Tropical India	23-24	+·012	+·011	+·006	+·046	+·008	+·013	+·012	+·018	−·009	−·001	+·060	−·008	+·014
Whole India	46-47	+·005	+·014	−·003	+·045	+·012	+·009	−·002	+·008	−·012	−·006	+·050	−·017	+·009

TABLE XVII.—*Departure of the mean monthly pressure from the normal in the eleven meteorological provinces of India in 1905.*

Meteorological Province.	January.	February.	March	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	"	"	"	"	"	"	"	"	"	"	"	"	"
Burma Coast and Bay Islands	+·030	+·019	+·024	+·042	+·018	−·024	+·001	+·023	+·001	+·001	+·079	−·010	+·017
Burma Inland	+·036	+·044	+·028	+·054	+·024	−·048	−·018	+·011	−·018	−·004	+·061	−·029	+·012
Assam	+·011	+·053	+·004	+·083	+·040	−·034	−·024	−·002	−·014	−·014	+·051	−·031	+·010
Bengal and Orissa	+·019	+·063	+·017	+·080	+·044	−·028	−·017	+·013	−·024	−·008	+·065	−·023	+·017

TABLE XVII.—*Departure of the mean monthly pressure from the normal in the eleven meteorological provinces of India in 1905*—concld.

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
	"	"	"	"	"	"	"	"	"	"	"	"	"
Gangetic Plain and Chota-Nagpur.	+·013	+·063	+·022	+·078	+·029	−·020	−·011	−·001	−·031	−·011	+·043	−·029	+·012
Upper Sub-Himalayas	+·012	+·053	+·015	+·062	+·019	−·010	−·019	−·018	−·015	−·003	+·048	−·026	+·010
Indus Valley and North-West Rajputana.	+·020	+·066	+·012	+·062	+·009	+·017	−·020	−·005	−·012	−·005	+·046	−·020	+·014
East Rajputana, Central India and Gujarat.	+·015	+·053	+·019	+·058	+·013	+·049	+·003	+·029	−·002	0	+·055	−·009	+·024
Deccan	+·009	+·035	+·006	+·054	+·005	+·033	+·009	+·021	−·009	+·002	+·063	−·007	+·018
West Coast	+·035	+·023	+·029	+·054	+·005	+·039	+·024	+·014	+·001	−·004	+·047	+·003	+·023
South India	+·023	+·017	+·010	+·044	+·014	+·018	+·019	+·012	−·005	+·001	+·064	+·001	+·018

I.—The cold weather period.

(*a*) The mean 8 hrs. pressure of the Indian land area was higher than usual, the excess averaging ·019″ in January and ·043″ in February. The pressure conditions of the period at the level of the plains were thus more abnormal than in the corresponding season of the previous year, when the mean departure was only +·009.″

(*b*) The local features of the pressure distribution were opposite in the two months and were of no significance:—

PROVINCE OR DIVISION.	EXCESS OF PRESSURE DEPARTURE OVER GEOGRAPHICAL MEAN OF INDIA.		
	January.	February.	Period, January and February.
	"	"	"
Burma	+·010	−·016	−·003
Assam	−·008	+·010	+·001
Bengal	+·002	+·022	+·012
Orissa	−·008	+·004	−·002
Bihar	−·006	+·026	+·010
Chota Nagpur	−·016	−·003	−·010
United Provinces of Agra and Oudh	−·003	+·021	+·009
Punjab	−·005	+·025	+·010
North-West Frontier Province	−·021	+·005	−·008

PROVINCE OR DIVISION.	EXCESS OF PRESSURE DEPARTURE OVER GEOGRAPHICAL MEAN OF INDIA.		
	January.	February.	Period, January and February.
	"	"	"
Sind	+·020	+·019	+·025
Rajputana	−·008	+·012	+·002
Gujarat	+·003	+·014	+·009
Central India	−·012	+·004	−·004
Central Provinces	−·012	−·004	−·008
Berar	−·004	+·005	+·001
West Coast	+·016	−·020	−·002
Bombay Deccan	−·007	−·017	−·012
Hyderabad	−·012	−·017	−·015
Mysore	−·001	−·030	−·016
Madras Coast	+·009	−·020	−·006
Madras Deccan	−·010	−·033	−·022
South India	+·008	−·029	−·011

(*c*) Pressure was however largely below the normal at the level of the hill stations, in other words the vertical gradients were much steeper, than usual. This condition was, it may be noted, initiated in the month of November 1904 and

was as usual associated with unusually wet weather :—

Pair of stations.	Departure from normal of vertical pressure differences.		
	January.	February.	Period, January and February.
	"	"	"
Lahore and Leh	+·120	+·195	+·158
Jacobabad and Quetta	+·072	+·096	+·084
Peshawar and Murree	+·035	+·074	+·055
Ludhiana and Simla	+·057	+·133	+·095
Roorkee and Chakrata	+·051	+·124	+·088
Bareilly and Ranikhet	+·047	+·110	+·079
Dhubri and Darjeeling	+·042	+·101	+·072
Deesa and Mount Abu	+·034	+·066	+·050
Hoshangabad and Pachmarhi	+·043	+·065	+·054
Coimbatore and Wellington	+·009	—·001	+·004

(*d*) The excess of pressure in the plains of India apparently extended westwards to Baghdad, and southwards to Seychelles and Zanzibar, but was replaced by a slight defect at Mauritius :—

Station.	Departure of pressure from normal in		
	January.	February.	Period, January and February.
	"	"	"
Mauritius	—·036	+·021	—·008
Seychelles	+·024	+·021	+·023
Zanzibar	+·016	+·030	+·023
Aden	+·024	+·035	+·030
Perim	+·037	+·064	+·051
Baghdad	+·043	+·080	+·062
Bushire	—·006	+·060	+·027
Jask	—·040	+·037	—·002
Muscut	—·005	+·045	+·020
Kashgar	—·169	—·043	—·106

II.—The hot weather period.

(*a*) Pressure was above the normal during the whole of the period, and more so in April, when the excess averaged ·059″.

Month.	Departure from normal of mean 8 hrs. pressure
	"
March	+·015
April	+·059
May	+·019

(*b*) As in the previous period, the excess of pressure extended over a much larger area than India.

Station.	Departure of pressure from normal in			
	March.	April.	May.	Period March to May.
	"	"	"	"
Mauritius	—·048	+·034	+·026	+·004
Seychelles	+·019	+·036	—·005	+·017
Zanzibar	+·032	+·024	—·016	+·013
Aden	—·007	+·037	+·029	+·020
Perim	+·012	+·060	+·034	+·035
Baghdad	—·107	—·026	+·025	—·036
Bushire	—·005	+·037	+·060	+·031
Jask	—·020	+·018	0	—·001
Muscat	+·012	+·035	+·030	+·026
Kashgar	—·076	—·055	+·005	—·042

(*c*) The local features of the pressure distribution were similar to those of the previous period, that is, pressure was locally in excess over the greater part of northern India and in defect in the Peninsula :—

Province or division.	Excess of pressure departure over geographical mean of India.			
	March.	April.	May.	Period, March to May.
	"	"	"	"
Burma	+·009	—·012	+·001	—·001
Assam	—·011	+·024	+·021	+·011
Bengal	+·004	+·021	+·025	+·017
Orissa	—·007	+·010	+·022	+·008
Bihar	+·004	+·029	+·018	+·017
Chota Nagpur	—·011	+·017	+·003	+·003

Province or division.	Excess of pressure departure over geographical mean of India.			
	March.	April.	May.	Period, March to May.
	"	"	"	"
United Provinces of Agra and Oudh.	+·008	+·009	+·008	+·008
Punjab	—·002	+·005	—·007	—·001
North-West Frontier Province	—·017	—·006	—·011	—·011
Sind	+·006	+·001	—·006	0
Rajputana	—·004	0	—·002	—·002
Gujarat	+·015	0	—·011	+·001
Central India	—·002	+·003	—·006	—·002
Central Provinces	—·016	+·003	—·011	—·008
Berar	—·005	+·003	—·018	—·007
West Coast	+·014	—·004	—·014	—·001
Bombay Deccan	—·002	—·015	—·018	—·012
Hyderabad	—·006	—·016	—·010	—·011
Mysore	—·001	—·024	—·019	—·015
Madras Coast	—·006	—·008	+·009	—·002
Madras Deccan	—·006	—·022	—·019	—·016
South India	—·007	—·017	—·011	—·012

(*d*) The vertical pressure gradient was unusually steep in March and April, which were very wet months, but disappeared or was reversed in May:—

Pair of stations.	Departure from normal of vertical pressure differences.			
	March.	April.	May.	Period, March to May.
	"	"	"	"
Lahore and Leh	+·156	+·076	—·056	+·059
Jacobabad and Quetta	+·051	+·030	...	...
Peshawar and Murree	+·073	+·040	—·020	+·031
Ludhiana and Simla	+·084	+·065	—·022	+·042
Roorkee and Chakrata	+·084	+·081	+·009	+·058
Bareilly and Ranikhet	+·066	+·060	+·003	+·043
Dhubri and Darjeeling	+·065	+·091	+·022	+·059
Deesa and Mount Abu	+·056	+·030	—·019	+·022
Coimbatore and Wellington	—·003	+·011	+·001	+·003

III.—The south-west monsoon period.—(*a*) Pressure was very unsteady over the Indian land area during this period. Thus it was in slight excess in June and August, practically normal in July and slightly below the normal in September:—

Month.	Departure from normal of mean 8 hrs. pressure.
	"
June	+·007
July	—·001
August	+·010
September	—·011

(*b*) Pressure was persistently in defect over the greater part of northern India and in excess in the Peninsula, Central India, Gujarat and Rajputana:—

Province or division.	Excess of pressure departure over geographical mean of India.				
	June.	July.	August.	September.	Period, June to September.
Burma	—·040	—·007	+·009	+·004	—·009
Assam	—·041	—·023	—·012	—·003	—·020
Bengal	—·035	—·020	+·002	—·011	—·016
Orissa	—·033	—·003	+·013	—·020	—·011
Bihar	—·042	—·019	—·017	—·027	—·026
Chota Nagpur	—·021	—·012	+·002	—·031	—·016
United Provinces of Agra and Oudh.	—·017	—·007	—·016	—·006	—·012
Punjab	—·014	—·022	—·033	—·004	—·018
North-West Frontier Province	—·018	—·029	—·039	—·010	—·024
Sind	+·025	—·023	—·010	—·001	—·002
Rajputana	+·035	0	+·015	+·005	+·014
Gujarat	+·056	+·002	+·024	+·018	+·025
Central India	+·026	+·006	+·011	+·002	+·011
Central Provinces	+·017	+·007	+·011	—·009	+·007
Berar	+·033	+·013	+·018	+·005	+·017
West Coast	+·032	+·025	+·004	+·012	+·018
Bombay Deccan	+·039	+·014	+·012	+·013	+·020
Hyderabad	+·031	+·016	+·006	+·005	+·015
Mysore	+·022	+·018	+·001	+·010	+·013
Madras Coast	—·001	+·022	+·007	+·001	+·007
Madras Deccan	+·017	+·015	—·002	—·001	+·007
South India	+·018	+·022	—·002	+·015	+·031

(*c*) The vertical pressure gradient was of almost its average intensity, except in upper India and Baluchistan, where it was feebler than usual:—

Pair of stations.	Departure from normal of vertical pressure differences.				
	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"
Lahore and Leh	—·035	—·036	—·040	—·030	—·035
Jacobabad and Quetta	—·003	—·044	—·048	—·045	—·035
Peshawar and Murree	—·024	—·030	—·024	—·013	—·023
Ludhiana and Simla	—·027	—·027	—·038	—·024	—·029
Roorkee and Chakrata	—·015	—·005	—·011	—·007	—·010
Bareilly and Ranikhet	—·018	+·008	—·001	—·004	—·004
Dhubri and Darjeeling	—·010	—·011	+·011	+·001	—·002
Deesa and Mount Abu	+·015	+·006	+·008	+·004	+·008
Hoshangabad and Pachmarhi	...	...	...	+·019	...
Coimbatore and Wellington	+·006	—·001	—·05	—·004	—·001

(*d*) There were no persistent abnormal features in the pressure conditions of Persia and Arabia, where pressure varied irregularly from the normal from month to month. At Zanzibar and Mauritius, on the other hand, pressure was below the normal throughout the period by amounts averaging ·035" and ·020," respectively:—

Station.	Departure of pressure from normal in				
	June.	July.	August.	September.	Period, June to September
	"	"	"	"	"
Mauritius	—·007	—·022	—·003	—·048	—·020
Seychelles	+·029	—·009	—·007	—·012	0
Zanzibar	—·038	—·015	—·023	—·058	—·025
Aden	+·050	—·008	+·002	—·016	+·007
Perim	+·055	+·025	+·006	+·021	+·027
Baghdad	+·029	+·001	—·035	—·037	—·011
Bushire	+·053	—·005	+·020	—·004	+·016
Jask	+·027	—·045	—·005	—·007	—·008
Muscat	+·043	—·029	+·016	—·003	+·007
Kashgar	—·045	—·013	—·057	—·037	—·038

(*e*) The monsoon trough of low pressure occupied a more northerly position than usual in June and July, during which period the rainfall due to the Bay current was restricted mainly to Burma and north-east India; in the succeeding two months its position was very nearly normal.

IV.—The retreating monsoon period.—

(*a*) The pressure conditions were as unsteady in this as during the previous period. Thus pressure was in defect in October by ·003", above the normal in November by ·057" and in defect in December by ·013". Both the excess and defect were common to the whole of the Indian area and were apparently due to general rather than local actions.

(*b*) The local features of the pressure conditions were not strongly marked, though there was a slight deficiency of pressure in Burma and northern India relatively to the Peninsula. This distribution was as usual associated with a diversion of the retreating current to Burma and north-east India:—

Province or division.	Excess of pressure departure over geographical mean of India.			
	October.	November.	December.	Period, October to December.
	"	"	"	"
Burma	+·001	+·015	—·005	+·004
Assam	—·011	—·006	—·018	—·012
Bengal	—·008	+·006	—·012	—·005
Orissa	—·002	+·015	—·003	+·003
Bihar	—·007	—·014	—·019	—·013
Chota Nagpur	—·005	—·001	—·013	—·006
United Provinces of Agra and Oudh	—·008	—·014	—·014	—·012
Punjab	—·004	—·008	—·009	—·007
North-West Frontier Province	—·017	—·015	—·015	—·016
Sind	+·003	—·016	—·003	—·005
Rajputana	+·009	—·003	—·005	0
Gujarat	+·001	—·003	+·009	+·002
Central India	+·005	—·001	+·001	+·002
Central Provinces	+·008	+·011	+·003	+·007
Berar	+·008	+·010	+·005	+·008
West Coast	—·001	—·010	+·016	+·002
Bombay Deccan	+·001	+·006	+·016	+·008
Hyderabad	+·007	—·002	+·001	+·002
Mysore	0	—·007	+·009	+·001
Madras Coast	+·006	+·015	+·016	+·012
Madras Deccan	—·001	—·005	—·003	—·003
South India	+·005	+·010	+·027	+·014

(*c*) The vertical pressure gradient was feebler than usual in October, but strengthened materially during the next two months :—

Pair of stations.	Departure from normal of vertical pressure differences.			
	October.	November.	December.	Period, October to December.
	"	"	"	"
Lahore and Leh	—·026	+·011	+·036	+·007
Jacobabad and Quetta	0	—·006	+·029	+·008
Peshawar and Murree	—·025	—·009	+·016	—·006
Ludhiana and Simla	—·013	—·006	+·015	—·001
Roorkee and Chakrata	—·010	+·005	+·005	0
Bareilly and Ranikhet	—·012	+·002	+·002	—·003
Dhubri and Darjeeling	—·006	+·034	+·021	+·016
Deesa and Mount Abu	—·001	—·010	—·002	—·004
Hoshangabad and Pachmarhi	—·003	—·009	+·006	—·002
Coimbatore and Wellington	—·002	+·008	+·009	+·005

(*d*) Pressure was apparently lower than usual at Mauritius, Zanzibar and some of the stations in Arabia and Persia. Baghdad and Perim were apparently beyond the limits of this area of low pressure :—

Station.	Departure of pressure from normal in			
	October.	November.	December.	Period, October to December.
	"	"	"	"
Mauritius	—·016	—·005	—·039	—·020
Seychelles	+·006	+·023	—·018	+·004
Zanzibar	—·030	—·025	—·045	—·033
Aden	—·012	+·020	—·014	—·002
Perim	0	+·033	+·005	+·013
Baghdad	—·008	+·042	+·007	+·014
Bushire	—·028	+·030	—·027	—·008
Jask	—·001	+·005	—·053	—·016
Muscat	—·023	+·017	—·038	—·015
Kashgar	—·008	+·023	—·116	—·034

The year.—

(*a*) The mean pressure of the year (as determined from 10 and 16 hours observations) was ·009″ higher than usual. The excess was on the whole much more marked in tropical than in extra-tropical India. The only areas in which the mean pressure of the year exceeded the normal by more than ·020″ were the Bay Islands (+·032″) and Konkan (+·027″).

(*b*) Opposite conditions prevailed at the level of the hill stations, pressure being ·014″ in defect in the North-West Himalayas and ·002″ in defect in the Sikkim Himalayas and Nepal; the vertical gradients were accordingly steeper than usual :—

Pair of stations.	Departure from normal of vertical pressure differences.
	"
Lahore and Leh	+·030
Jacobabad and Quetta	+·013
Peshawar and Murree	+·008
Ludhiana and Simla	+·017
Roorkee and Chakrata	+·026
Bareilly and Ranikhet	+·022
Dhubri and Darjeeling	+·030
Deesa and Mount Abu	+·017

(*c*) There was more or less excess in seven months and a defect in five; the greatest excess occurred in April, the last month of heavy snowfall and persistent low temperature, and again in November, in which month temperature was, however, 1½° higher than usual. The table below gives the mean monthly departures from normal of the pressure of the whole Indian land area :—

Month.	Departure from normal of mean pressure in		
	Extra-tropical India.	Tropical India.	Whole India.
	"	"	"
January	—·003	+·012	+·005
February	+·017	+·011	+·014
March	—·013	+·006	—·003
April	+·043	+·046	+·045
May	+·016	+·008	+·012
June	+·004	+·013	+·009
July	—·015	+·012	—·002
August	—·001	+·018	+·008
September	—·015	—·009	—·012
October	—·012	—·001	—·006
November	+·038	+·060	+·050
December	—·027	—·008	—·017
Whole year	+·003	+·014	+·009

(*d*) Pressure was on the mean of the year in excess at Aden, Perim and the Seychelles, and in defect at Mauritius. Below are given the departures and progressive changes of pressure in the Indian land area during the past 31 years:—

Year.	Number of stations.	Mean pressure.	Progressive variation.
		"	"
1875	33	—·007	
1876	35	—·007	0
1877	59	+·032	+·039
1878	65	+·002	—·030
1879	81	—·014	—·016
1880	93	—·003	+·011
1881	93	+·002	+·005
1882	93	—·010	—·012
1883	105	—·005	+·005
1884	107	+·010	+·015
1885	113	+·014	+·004
1886	118	—·003	—·017
1887	117	—·006	—·003
1888	109	+·011	+·017
1889	76	+·004	—·007
1890	77	—·009	—·013
1891	72	+·010	+·019
1892	72	—·022	—·032
1893	66	—·001	+·021
1894	65	—·012	—·011
1895	66	+·003	+·015
1896	68	—·001	—·004
1897	74	—·005	—·004
1898	74	—·018	—·013
1899	51	+·004	+·022
1900	49	+·010	+·006
1901	47	+·005	—·005
1902	46	+·011	+·006
1903	46	+·001	—·010
1904	46	—·003	—·004
1905	46	+·003	+·012

The statement of the more important cyclonic storms formed in India and the Indian seas in 1905 will be printed in the Annual Summary of 1906.

Winds.

The mean direction of the wind and the mean diurnal movement of the air, as measured by Robinson anemometers, are given for all second class stations in Table II in each monthly review. The normal values are also stated for the sake of ready comparison. The normal data of these elements, utilized in Table II of the monthly weather reviews of the year 1905, will be found in a collected form in Tables XXII, XXVI and XXVII of Vol. XVII of Indian Meteorological Memoirs. The mean 8 hrs. wind directions for each month are laid down in the first chart in each monthly review. They are calculated in the usual manner by finding the resultant of equal winds in the directions actually observed at 8 hrs. and given in Table I in each monthly review. As a general rule, the mean 8 hrs. wind directions vary little from the mean wind directions (calculated from the 10 and 16 hrs. wind data) in Table II of the monthly reviews, but in some cases and at certain seasons of the year they differ very considerably.

The chief features of the air movement over India in 1905 have been described in the monthly reviews of the year. The following is a summary of the more important features for each period:—

1. *The cold weather period.*—

(*a*) The air movement was feebler than usual over the greater part of the plains of India, the feebleness being on the whole most marked in the Indus Valley.

(*b*) The direction of air motion was abnormally westerly in upper India, an indication of a greater influx than usual of dry air from the highlands of Afghanistan and Baluchistan. A similar deflection of wind was shown in Kashmir at Leh and Srinagar.

(*c*) Land winds held steadily through February at the head of the Bay, where in normal years sea breezes set in during the third week of the month.

(*d*) The air movement was very unsteady over the south and centre of the Peninsula. It was on the whole more southerly in the former and more westerly than usual in the latter area.

(*e*) Although weaker than usual over the land area, the winter monsoon blew with more than its normal intensity in the Bay of Bengal and Arabian Sea:—

Area.	Departure of mean daily force of wind (Beaufort's notation) in			Normal mean strength of wind during period.
	January.	February.	Period, January and February.	
Bay of Bengal	3·0	2·9	3·0	2·8
Arabian Sea	3·5	3·3	3·4	3·2

II. The hot weather period.—The more important abnormal features were :—

(*a*) Winds were unusually steady, but below their normal strength over a large part of the country, owing probably to the long delay in the establishment of the hot weather conditions.

(*b*) Winds were throughout the period more southerly than usual on the Bengal and Orissa coasts, indicating a partial diversion from Assam to Bengal, of the usual influx of damp air from the head of the Bay.

(*c*) Very irregular winds prevailed on the Burma coast during May, so that the ordinary inflow of air across that coast was greatly interrupted and less extensive than usual.

(*d*) The air movement was very unusual during March and April over the part of the equatorial belt represented by the Seychelles :—

Station.	Wind direction.			
	March.		April.	
	Actual.	Normal.	Actual.	Normal.
	°	°	°	°
Seychelles	N 4 E	N 21 W	N 14 W	S 63 E

These data would appear to indicate that the belt of light variable airs which is a characteristic feature of the meteorology of the equatorial region lay to the south of the position of the Seychelles instead of to its north which is ordinarily the case in April. According to the information furnished by a few vessels traversing those seas the northward extension of the trades was taking place more slowly than usual, their northern limit during the first half of May being from 200 to 300 miles to the south of the normal position.

III. The south-west monsoon period.—As already mentioned, the advance of the monsoon currents over the Indian Seas occurred later than usual; more especially was this the case over the north of the Bay of Bengal, where monsoon conditions did not set in until about the end of June. The Arabian Sea monsoon as a rain-giving current was weak throughout the period and withdrew suddenly from practically the whole of its field on September 14th. The Bay current was on the whole up to its average intensity, but its activity was displayed more largely in the eastern than the western half of its field.

(*a*) Over the region usually dominated by the Arabian Sea current, the air movement was of about its normal strength in July and weaker than usual in the other three months. Since the precipitation in this area was as largely below the normal in July as in June and August, it is clear that there was no correspondence between the departures of rainfall and those of the air movement. In the area swept by the Bay current, on the other hand, the air motion was 25 per cent. above its normal intensity in the coast districts and practically normal in the interior :—

Month.	Percentage departure from normal of mean daily air movement.			
	Bay of Bengal current.		Bombay current.	
	Four coast stations.	Four inland stations.	Four coast stations.	Four inland stations.
June	+15	—13	—16	0
July	+25	— 5	+ 2	+2
August	+27	—12	— 2	—9
September	+33	+20	— 5	—8
Mean	+25	— 3	— 5	—4

(*b*) Winds were more westerly than usual at Port Blair and Diamond Island, indicating a stronger determination than usual of the current to Burma :—

Station.	Wind direction.							
	June.		July.		August.		September.	
	Actual.	Normal.	Actual.	Normal.	Actual.	Normal.	Actual.	Normal.
	°	°	°	°	°	°	°	°
Port Blair	S 59 W	S 45 W	S 47 W	S 48 W	S 62 W	S 51 W	S 57 W	S 54 W
Diamond Island.	S 66 W	S 36 W	S 44 W	S 42 W	S 53 W	S 44 W	S 51 W	S 45 W

(*c*) The middle portion of the trough of low pressure lay over the north of the Gangetic plain from June to August, and in consequence the westerly

current reached much further north than usual :—

Station.	Wind direction. June. Actual.	June. Normal.	July. Actual.	July. Normal.	August. Actual.	August. Normal.
	°	°	°	°	°	°
Hazaribagh . .	N 41 W	S 42 W	N 75 W	S 6 E	S 78 W	S 9 W
Allahabad . . .	N 49 W	N 10 W	N 66 W	N 75 E	N 62 W	N 6 E

(*d*) The air movement was very abnormal in direction in the east Punjab and the adjacent districts of the United Provinces, where on the whole winds were abnormally westerly :—

Station.	Wind direction. June. Actual.	June. Normal.	July. Actual.	July. Normal.	August. Actual.	August. Normal.	September. Actual.	September. Normal.
	°	°	°	°	°	°	°	°
Lahore .	S 75 W	N 18 E	S 40 E	S 78 E	S 16 W	S 78 E	S 84 W	N 46 E
Ludhiana .	N 37 W	S 54 W	N 78 W	S 36 E	N 77 W	S 60 E	N 76 W	N 44 W
Meerut . .	N 59 W	N 18 W	S 20 W	S 69 E	S 84 W	S 48 E	N 66 W	N 54 W
Roorkee .	S 78 W	S 12 E	S 36 W	S 36 E	S 40 E	S 27 E	S 51 E	S 15 W

(*e*) A similar modification of the air movement was shown at most of the Himalayan hill stations, and was probably due to some widespread action operating through a great depth of the atmosphere :—

Station.	Wind direction. June. Actual.	June. Normal.	July. Actual.	July. Normal.	August. Actual.	August. Normal.	September. Actual.	September. Normal.
	°	°	°	°	°	°	°	°
Srinagar .	N 34 E	N 9 E	N 63 W	N 48 W	N 73 W	N 48 W	N 56 W	N 33 W
Simla . .	N 21 W	N 17 W	N 38 W	N 15 E	N 9 W	N 33 E	N 13 W	N 8 E
Ranikhet .	S 77 W	S 69 W	S 67 W	S 60 W	S 87 W	S 60 W	S 62 W	S 39 W
Darjeeling .	S 87 W	S 15 W	S 64 W	S 75 E	N 78 W	S 84 E	E	S 85 E

(*f*) Winds were feebler and more easterly than usual in the western half of the equatorial region as represented by Zanzibar and Seychelles. The deflection was large at Zanzibar, where it averaged 18 degrees :—

Station.	Wind direction. June. Actual.	June. Normal.	July. Actual.	July. Normal.	August. Actual.	August. Normal	September. Actual.	September. Normal.
	°	°	°	°	°	°	°	°
Zanzibar .	S 11 E	S 4 E	S 19 E	S 6 E	S 31 E	S 9 E	S 35 E	S 6 E
Seychelles .	S 38 E	S 24 E	S 33 E	S 33 E	S 35 E	S 33 E	S 44 E	S 39 E

IV. The retreating south-west monsoon period.—

(*a*) The air movement was of about the usual steadiness and intensity over practically the whole of the country.

(*b*) There were no important modifications of the direction of the air movement, except at Port Blair, where south-west winds were unusually prevalent during October, and at Saugor Island, where winds showed an undue westerly component throughout the period.

(*c*) Winds were throughout the period much more easterly than usual in the extreme west of the equatorial belt as represented by Zanzibar. The deflection amounted to 59° in October, 53° in November, and 39° in December.

Humidity.

The departures from normal of the mean monthly and annual aqueous vapour pressure and relative humidity for the year 1905 are given in Tables XVIII and XIX. The normal values employed in the determination of the departures are given in Tables XXX and XXXIII of the Indian Meteorological Memoirs, Volume XVII. The four tables (Tables XX to XXIII) give departure data of aqueous vapour pressure and relative humidity for each month of the year and for the year:—

1st—For sixteen meteorological areas adopted in the geographical summaries of meteorological data in the annual reports issued by the department previous to 1891.

2nd—For nine meteorological provinces of the Empire.

TABLE XVIII.—*Departure of the monthly and annual mean vapour pressure data of 1905 from the average of past years.*

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
Burma Coast and Bay Islands.	Port Blair	−·031	−·005	+·001	−·023	−·006	−·012	+·002	−·009	−·006	−·005	−·071	+·026	−·012
	Rangoon	+·021	−·016	−·021	−·069	−·030	−·018	−·010	−·014	−·014	−·019	−·046	−·021	−·021
	Diamond Island	−·017	−·058	−·015	−·036	−·022	−·014	+·013	+·020	−·006	−·009	−·053	+·023	−·015
	Cocos Island	−·020	+·004	+·012	−·039	?	−·025	+·009	+·020	+·002	+·018	−·021	+·076	?
Bengal and Orissa	Chittagong	−·006	−·111	−·025	−·062	?	?	−·027	−·016	−·033	−·017	−·051	−·011	?
	Calcutta (Alipore)	+·014	−·109	+·020	−·044	+·004	+·011	−·027	+·007	−·008	+·026	−·013	−·008	−·011
	Saugor Island	−·015	−·177	−·062	−·091	−·033	+·021	−·013	+·019	+·004	+·010	+·042	+·003	−·024
	False Point	−·003	−·110	−·011	−·066	−·015	+·005	−·017	+·031	−·002	+·008	−·034	−·037	−·021
Gangetic Plain and Chota Nagpur.	Hazaribagh	+·016	−·028	+·038	+·001	+·047	−·171	−·042	−·005	−·003	−·039	−·011	+·010	−·016
	Allahabad	+·045	+·010	+·112	+·078	+·110	−·104	−·022	+·021	+·033	−·126	−·046	−·051	+·005
Upper Sub-Himalayas.	Dehra Dun	+·011	−·051	+·001	−·029	+·068	−·089	+·004	+·029	+·001	−·037	−·036	−·009	−·011
	Roorkee	+·017	−·037	−·003	−·025	+·034	−·030	−·020	+·039	+·005	−·065	−·048	−·024	−·013
	Meerut	+·017	−·045	−·037	−·080	+·007	−·033	−·068	−·032	−·034	?	?	?	?
	Lahore	+·024	−·040	−·015	+·006	+·043	+·030	+·047	−·036	+·109	+·124	+·090	+·051	+·036
	Ludhiana	+·018	−·042	−·015	−·078	+·016	−·029	−·034	−·016	−·037	−·077	−·066	−·027	−·032
Indus Valley and North-West Rajputana.	Peshawar	0	−·065	−·045	−·036	+·042	−·070	−·018	−·022	−·006	+·004	+·019	+·015	−·015
	Jacobabad	+·044	+·020	−·024	+·006	+·081	−·002	+·004	+·021	−·009	+·006	+·098	+·101	+·029
	Kurrachee	−·035	−·095	−·093	−·023	+·014	−·030	+·028	−·013	−·010	−·051	+·079	+·054	−·015
East Rajputana, Central India and Gujarat.	Jaipur	+·001	−·061	−·023	−·043	−·049	−·061	−·072	−·097	−·043	−·084	−·006	−·027	−·047
	Deesa	−·028	−·049	+·018	−·047	−·065	−·046	+·006	−·036	−·018	−·056	+·006	−·020	−·028
Deccan	Belgaum	+·018	−·065	−·064	−·135	+·024	−·003	+·018	+·024	−·016	−·009	+·013	−·069	−·022
	Sholapur	−·034	−·087	−·036	−·055	+·002	−·007	+·006	+·019	−·054	−·041	−·078	−·123	−·041

TABLE XVIII.—*Departure of the monthly and annual mean vapour pressure data of 1905 from the average of past years*—concld.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
		"	"	"	"	"	"	"	"	"	"	"	"	"
Deccan—*concld.*	Akola	−·030	−·069	+·014	+·031	+·084	−·017	−·004	+·016	+·022	−·080	−·049	−·050	−·011
	Buldana	−·062	−·080	+·134	−·002	−·011	−·044	−·019	−·002	+·004	−·072	−·066	−·069	−·024
	Khandwa	−·084	−·094	+·002	?	?	?	−·029	−·013	−·017	−·092	−·064	−·078	?
	Nagpur	−·043	−·081	+·057	+·021	+·041	−·074	−·034	+·006	−·004	−·054	−·055	−·076	−·025
	Hyderabad (Deccan)	+·008	−·029	+·023	−·024	+·023	−·054	?	+·013	−·028	−·029	−·060	−·075	?
West Coast	Bombay	?	−·168	−·102	−·071	+·026	−·015	+·009	+·009	−·008	+·013	−·017	−·056	?
	Karwar	+·013	−·144	−·121	−·115	+·010	+·008	+·017	+·011	+·007	+·021	+·058	−·069	−·025
South India	Salem	−·005	+·065	+·045	+·051	+·101	+·033	+·045	+·016	+·022	+·021	+·054	−·012	+·036
	Chitaldroog	+·014	+·060	+·051	−·031	+·036	+·017	+·001	+·015	+·056	+·043	+·028	−·055	+·020
	Bangalore	−·006	+·033	−·007	−·004	+·021	+·001	−·017	+·008	+·003	−·005	+·022	−·066	−·001
	Hassan	+·018	+·045	+·017	−·098	+·044	+·021	+·027	+·032	+·009	+·017	+·022	−·079	+·006
	Mysore	+·022	+·059	+·039	−·002	+·032	+·027	+·015	+·018	−·023	−·004	+·006	−·082	+·009
	Madras	−·034	+·005	−·004	−·027	+·002	−·007	+·010	+·008	+·045	+·037	+·040	−·050	+·002
	Bellary	+·030	+·104	+·070	+·041	+·026	+·058	+·047	+·048	+·015	−·004	−·020	−·072	−·029
	Waltair	−·024	−·009	+·045	−·024	+·001	−·015	−·045	+·007	−·055	−·037	−·082	−·043	−·023
Hill Station, Baluchistan.	Quetta	+·003	−·008	−·020	−·050	−·013	−·097	−·090	−·087	−·042	−·014	+·010	+·029	−·032
Hill Stations, Northern India.	Leh	−·028	−·040	−·011	−·004	+·025	+·013	+·031	+·024	+·032	+·003	−·022	+·006	+·002
	Srinagar	+·005	−·035	−·050	−·019	+·041	−·002	−·036	+·015	−·005	+·045	+·024	+·001	−·001
	Simla (Ridge)	−·004	−·016	−·008	−·046	−·001	−·045	−·019	−·022	−·038	−·022	−·033	+·004	−·021
	Chakrata	+·005	−·021	−·005	−·014	+·035	−·059	+·025	+·016	0	−·019	−·069	−·015	−·010
	Ranikhet	−·005	−·032	−·018	−·026	+·056	−·031	+·004	+·014	+·002	−·058	−·033	−·011	−·012
	Katmandu	−·015	−·056	−·039	−·071	+·052	+·003	+·012	+·016	+·034	+·004	+·026	+·004	−·003
	Darjeeling	−·017	−·026	−·029	−·030	+·027	+·039	+·024	+·021	+·031	+·023	+·033	+·029	+·010
Hill Stations, Central India.	Mount Abu	−·008	−·046	+·007	−·046	−·062	−·041	−·062	−·013	−·019	−·048	+·016	−·017	−·023
	Pachmarhi	−·021	−·068	+·003	−·050	−·096	−·130	−·024	−·006	+·017	−·081	−·039	−·056	−·046
	Chikalda	−·061	−·083	−·031	−·044	−·025	−·056	+·005	+·025	+·017	−·039	−·048	−·066	−·034
Extra-Indian Stations.	Aden	+·063	?	?	?	+·082	+·096	+·142	+·131	+·039	+·027	+·059	+·082	?
	Perim	−·059	−·078	−·107	−·125	−·084	+·051	+·059	+·019	+·008	−·023	−·044	−·019	−·034
	Zanzibar	−·007	+·007	?	?	?	?	?	?	?	?	?	?	?
	Port Victoria (Seychelles)	+·032	+·008	+·020	−·006	+·009	−·009	−·003	+·010	+·095	−·032	+·030	+·032	+·010
	Mauritius (Pamplemouses)	+·096	+·031	+·046	+·006	+·012	+·025	+·029	−·006	+·042	+·028	+·032	+·049	+·033

TABLE XIX.—*Departure of the monthly and annual mean relative humidity data of 1905 from the average of past years.*

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Burma Coast and Bay Islands.	Port Blair	− 1	+ 1	+ 1	− 2	− 5	0	− 4	− 2	− 2	− 2	− 8	+ 1	− 2
	Rangoon	+ 2	− 4	− 3	− 5	− 6	− 2	− 1	− 3	− 2	− 4	− 5	− 6	− 3
	Diamond Island	− 1	− 7	− 3	− 3	− 1	− 2	− 3	− 2	− 4	− 5	− 8	+ 1	− 3
	Coces Island	+ 2	+ 3	− 1	0	?	+ 2	− 1	− 2	0	0	− 3	+ 6	?
Bengal and Orissa	Chittagong	+ 1	− 5	+ 4	+ 5	?	?	− 1	+ 1	0	− 3	− 4	− 3	?
	Calcutta (Alipore)	+ 1	− 6	+ 7	+ 3	+ 3	− 8	− 1	− 2	− 1	− 1	− 4	− 5	− 1
	Saugor Island	− 2	−10	+ 2	− 1	− 2	− 3	+ 1	− 2	+ 1	0	− 7	− 2	− 2
	False Point	− 4	− 6	− 1	− 3	− 2	− 6	− 2	− 2	+ 1	+ 2	− 4	− 3	− 3
Gangetic Plain and Chota Nagpur.	Hazaribagh	+ 8	+ 6	+12	+ 7	+ 6	−26	− 5	− 3	+ 1	− 5	− 1	+ 2	0
	Allahabad	+12	+10	+19	+10	+ 7	−16	− 3	+ 3	+ 1	−10	− 8	− 9	+ 1
Upper Sub-Himalayas	Dehra Dun	+ 9	+ 6	+12	+ 2	+ 6	−12	− 1	− 1	− 2	− 7	− 7	0	0
	Roorkee	+ 9	+10	+10	+ 4	+ 1	− 5	− 4	+ 2	+ 2	− 4	− 6	− 1	+ 2
	Meerut	+ 8	+ 6	+ 5	0	− 1	− 6	− 7	− 9	− 6	?	?	?	?
	Lahore	+ 8	+ 7	+ 8	+ 2	− 2	− 3	− 2	−16	+ 9	+12	+ 8	+11	+ 4
	Ludhiana	+10	+ 9	+10	− 4	− 5	− 8	− 6	− 9	− 6	− 7	− 9	− 4	− 2
Indus Valley and North-West Rajputana.	Peshawar	+ 2	− 2	+ 5	− 1	+ 1	− 8	− 5	− 8	0	− 7	+ 1	+ 4	− 2
	Jacobabad	+14	+13	+ 3	− 2	− 1	+ 1	− 2	− 1	− 1	− 2	+ 4	+17	+ 4
	Kurrachee	− 2	− 2	− 4	+ 1	0	− 2	+ 4	− 1	− 3	− 8	+ 3	+ 2	− 1
East Rajputana, Central India and Gujarat.	Jaipur	+ 2	+ 2	+ 4	− 1	− 9	−12	−15	−24	−11	−13	− 8	− 7	− 8
	Deesa	− 2	− 3	+ 8	− 1	− 6	− 4	+ 2	− 8	− 4	− 7	− 4	− 2	− 3
Deccan	Belgaum	+ 6	− 4	− 1	−10	+ 3	− 4	0	+ 1	− 5	− 2	− 1	− 9	− 2
	Sholapur	− 4	− 7	− 1	− 2	− 3	− 5	− 2	+ 2	−12	− 7	−13	−16	− 6
	Akola	− 5	− 5	+ 2	+ 2	+ 1	− 9	− 4	− 2	+ 3	− 9	− 8	− 7	− 3
	Buldana	− 7	− 6	+14	0	− 4	−10	− 5	− 2	0	−12	− 9	−11	− 4
	Khandwa	−11	− 6	+ 3	?	?	?	− 3	− 4	− 3	− 9	−10	− 9	?
	Nagpur	− 5	− 6	+ 7	+ 5	+ 1	−13	− 6	− 1	+ 3	− 5	− 8	− 9	− 3
	Hyderabad (Deccan)	+ 2	− 1	+ 2	0	+ 2	− 8	?	0	− 6	− 3	−11	− 9	?
West Coast	Bombay	?	−11	− 2	+ 1	+ 2	− 7	0	− 2	− 3	− 3	− 3	− 6	?
	Karwar	+ 2	− 7	− 6	− 2	+ 1	− 2	− 4	− 1	− 3	0	0	− 0	− 2

TABLE XIX.—*Departure of the monthly and annual mean relative humidity data of 1905 from the average of past years*—concld.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
South India	Salem	−4	+2	+1	+2	+5	−1	−1	−4	−2	0	−1	−3	−1
	Chitaldroog	+4	+7	+7	−4	+2	+1	−3	0	+4	+4	−2	−8	+1
	Bangalore	−2	+3	0	+2	+1	−1	−5	−1	−3	−1	+1	−10	−1
	Hassan	+3	+3	+2	−9	+3	0	+1	+2	−2	+2	−1	−8	0
	Mysore	+3	+5	+5	−2	+2	+1	+2	+1	−3	0	−2	−7	0
	Madras	+1	−4	−5	−3	0	−6	−5	−2	−5	+2	0	−5	−3
	Bellary	+1	+8	+5	+1	+1	+3	−1	+5	−2	−2	−6	−9	0
	Waltair	−2	+4	+10	+4	+6	+3	−1	+5	+3	−3	−9	−6	+1
Hill Station, Baluchistan.	Quetta	+11	+16	+11	−4	−2	−8	−9	−8	−1	0	0	+13	+2
Hill Stations, Northern India.	Leh	−21	−26	+1	+5	+7	+7	+10	+4	+11	−1	−12	+8	−1
	Srinagar	+1	−1	+2	+3	+2	−3	−9	−4	0	0	+1	+3	0
	Simla (Ridge)	+12	+21	+18	−1	−2	−9	0	−3	−5	−5	−7	+7	+2
	Chakrata	+14	+17	+17	+3	+3	−13	+3	+2	−2	−7	−4	−3	+3
	Ranikhet	+14	+18	+11	+3	+6	−8	0	0	−1	−13	−6	+1	+2
	Katmandu	+1	−1	−2	−2	+4	−4	+1	+2	+3	+1	+3	+6	+1
	Darjeeling	0	+7	−5	0	+3	−1	0	+1	+1	+3	+4	+8	+2
Hill Stations, Central India.	Mount Abu	+4	+4	+9	−2	−11	−5	+2	−2	−4	−8	0	−2	−1
	Pachmarhi	+1	−6	+2	−2	−10	−20	−3	−2	+2	−8	−6	−6	−5
	Chikalda	−6	−5	+1	−2	−5	−14	−1	+1	+3	−7	−8	−9	−4
Extra-Indian Stations.	Aden	+8	?	?	?	+7	+4	+4	+5	+4	0	+2	+4	?
	Perim	−7	−10	−13	−12	−8	+1	+2	−2	+1	−3	−4	−5	+5
	Zanzibar	−2	−2	?	?	?	?	?	?	?	?	?	?	?
	Port Victoria (Seychelles).	0	−2	−4	−3	−1	−4	−3	−2	−1	−2	−2	0	−2
	Mauritius (Pamplemouses).	+10	+2	+5	0	+2	+4	+1	−1	+4	+2	+6	+7	+4

TABLE XX.—*Geographical summary of the aqueous vapour pressure departure data of Table II in the Monthly Weather Reviews of 1905.*

METEOROLOGICAL AREA.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		"	"	"	"	"	"	"	"	"	"	"	"	"
North-West Himalayas	5	—·005	—·029	—·018	—·022	+·031	—·025	+·001	+·009	—·002	—·010	—·027	—·003	—·008
Sikkim Himalayas and Nepal	2	—·016	—·041	—·034	—·051	+·040	+·021	+·018	+·019	+·033	+·014	+·030	+·017	+·004
Punjab Plains	3	+·014	—·049	—·025	—·036	+·034	—·023	+·002	—·025	+·022	+·017	+·014	+·013	—·004
Gangetic Plain	3—4	+·023	—·031	+·018	—·014	+·055	—·064	—·027	+·014	+·002	—·076	—·043	—·028	—·014
Western Rajputana	4	—·007	—·043	—·023	—·028	—·008	—·030	+·009	—·010	—·014	—·037	+·050	+·030	—·009
Eastern Rajputana and Central India	1	+·001	—·061	—·023	—·043	—·049	—·061	—·072	—·097	—·043	—·084	—·006	—·027	—·047
Nerbudda Valley	1	—·084	—·094	+·002	?	?	?	—·029	—·013	—·017	—·092	—·064	—·078	?
Chota Nagpur	1	+·016	—·028	+·038	+·001	+·047	—·171	—·042	—·005	—·003	—·039	—·011	+·010	—·016
Lower Bengal	2	—·001	—·143	—·021	—·068	—·015	+·016	—·020	+·013	—·002	+·018	+·015	—·003	—·018
Orissa	1	—·003	—·110	—·011	—·066	—·015	+·005	—·017	+·031	—·002	+·008	—·034	—·037	—·021
Central Provinces (South) and Berar	5	—·043	—·076	+·035	—·009	—·001	—·064	—·015	+·008	+·011	—·065	—·051	—·063	—·028
Konkan	1—2	+·013	—·156	—·112	—·093	+·018	—·004	+·013	+·010	—·001	+·017	+·021	—·063	—·028
Deccan, Hyderabad and Mysore	7—8	+·009	+·015	+·012	—·039	+·026	+·008	+·014	+·022	—·005	—·004	—·008	—·078	—·002
East Coast and Carnatic	3	—·021	+·020	+·029	0	+·035	+·004	+·003	+·010	+·004	+·007	+·004	—·035	+·005
Arakan and Pegu	2—3	—·001	—·062	—·020	—·036	—·026	—·016	—·038	—·003	—·018	—·015	—·050	—·003	—·022
Bay Islands	1—2	—·026	—·001	+·007	—·031	—·006	—·019	+·006	+·006	—·002	+·007	—·046	+·051	—·005
Extra-Tropical India	22—23	—·001	—·049	—·012	—·030	+·022	—·033	—·009	—·003	0	—·024	—·001	0	—·012
Tropical India	23—24	—·011	—·034	+·003	—·035	+·012	—·014	+·001	+·012	—·001	—·014	—·023	—·046	—·013
Whole India	45—47	—·006	—·041	—·004	—·033	+·017	—·023	—·004	+·005	—·001	—·019	—·012	—·024	—·012

TABLE XXI.—*Geographical summary of the relative humidity departure data of Table II in the Monthly Weather Reviews of 1905.*

METEOROLOGICAL AREA.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	Sepember.	October.	November.	December.	YEAR.
North-West Himalayas	5	+ 4	+ 6	+10	+ 3	+ 3	— 5	+ 1	0	+ 1	— 5	— 6	+ 3	+ 1
Sikkim Himalayas and Nepal	2	+ 1	+ 3	— 4	— 1	+ 4	— 3	+ 1	+ 2	+ 2	+ 2	+ 4	+ 7	+ 2
Punjab Plains	3	+ 7	+ 5	+ 8	— 1	— 2	— 6	— 4	—11	+ 1	— 1	0	+ 4	0
Gangetic Plain	3—4	+10	+ 8	+12	+ 4	+ 3	—10	— 4	— 1	— 1	— 7	— 7	— 3	0
Western Rajputana	4	+ 4	+ 3	+ 4	— 1	— 5	— 3	+ 2	— 3	— 3	— 6	+ 1	+ 4	0

TABLE XXI.—*Geographical summary of the relative humidity departure data of Table II in the Monthly Weather Reviews of 1905*—concld.

METEOROLOGICAL AREA.	Number of stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
Eastern Rajputana and Central India	1	+ 2	+ 2	+ 4	— 1	— 9	—12	—15	—24	—11	—13	— 8	— 7	— 8
Nerbudda Valley	1	—11	— 6	+ 3	?	?	?	— 3	— 4	— 3	— 9	—10	— 9	?
Chota Nagpur	1	+ 8	+ 6	+12	+ 7	+ 6	—26	— 5	— 3	+ 1	— 5	— 1	+ 2	0
Lower Bengal	2	— 1	— 8	+ 5	+ 1	+ 1	— 6	0	— 2	0	— 1	— 6	— 4	— 2
Orissa	1	— 4	— 6	— 1	— 3	— 2	— 6	— 2	— 2	+ 1	+ 2	— 4	— 3	— 3
Central Provinces (South) and Berar	5	— 4	— 6	+ 5	+ 1	— 3	—13	— 4	— 1	+ 2	— 8	— 8	— 8	— 4
Konkan	1—2	+ 2	— 9	— 4	— 1	+ 2	— 5	— 2	— 2	— 3	— 2	— 2	— 6	— 3
Deccan, Hyderabad and Mysore	7—8	+ 2	+ 2	+ 2	— 3	+ 1	— 2	— 1	+ 1	— 4	— 1	— 4	—10	— 1
East Coast and Carnatic	3	— 2	+ 1	+ 2	+ 1	+ 4	— 1	— 2	0	— 1	0	— 3	— 5	— 1
Arakan and Pegu	2—3	+ 1	— 5	— 1	— 1	— 4	— 2	— 1	— 1	— 2	— 4	— 6	— 3	— 2
Bay Islands	1—2	+ 1	+ 2	0	— 1	— 5	+ 1	— 3	— 2	— 1	— 1	— 6	+ 4	— 1
Extra-Tropical India	22—23	+ 4	+ 3	+ 7	+ 1	0	— 7	— 2	— 4	— 1	— 4	— 3	+ 1	0
Tropical India	23—24	— 1	— 2	+ 2	— 1	0	— 4	— 2	0	— 1	— 3	— 5	— 6	— 2
Whole India	44—47	+ 2	+ 1	+ 4	0	0	— 6	— 2	— 2	— 1	— 4	— 4	— 3	— 1

TABLE XXII.—*Departure of the mean monthly and annual aqueous vapour pressure from the normal in the nine meteorological provinces of India in 1905.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
		"	"	"	"	"	"	"	"	"	"	"	"
Burma Coast and Bay Islands	—·012	—·032	—·006	—·042	—·019	—·017	+·008	+·004	—·006	—·004	—·048	+·010	—·014
Bengal and Orissa	—·003	—·127	—·020	—·065	—·015	+·012	—·021	+·010	—·010	+·007	—·014	—·014	—·022
Gangetic Plain and Chota Nagpur	+·031	—·009	+·075	+·039	+·079	—·138	—·032	+·008	+·015	—·083	—·029	—·021	—·005
Upper Sub-Himalayas	+·019	—·042	—·014	—·040	+·034	—·030	—·014	—·003	+·009	—·014	—·015	—·002	—·009
Indus Valley and North-West Rajputana	+·003	—·047	—·054	—·018	+·046	—·034	+·005	—·004	—·009	—·014	+·066	+·057	0
East Rajputana, Central India and Gujarat	—·013	—·054	—·003	—·045	—·057	—·054	—·033	—·067	—·031	—·070	0	—·024	—·038
Deccan	—·032	—·069	+·019	—·028	—·026	—·033	—·010	+·009	—·013	—·054	—·051	—·077	—·030
West Coast	+·013	—·156	—·112	—·093	+·019	—·004	+·013	+·010	—·001	+·017	+·021	—·063	—·008
South India	+·002	+·045	+·032	—·012	+·033	+·016	+·010	+·019	+·009	+·008	+·009	—·057	+·010

TABLE XXIII.—*Departure of the mean monthly and annual relative humidity from the normal in the nine meteorological provinces of India in 1905.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
Burma Coast and Bay Islands	+ 1	— 3	— 2	— 3	— 4	— 1	— 3	— 2	— 2	— 3	— 6	— 1	— 2
Bengal and Orissa	— 1	— 7	+ 3	+ 1	0	— 6	— 1	— 1	0	— 1	— 5	— 3	— 2
Gangetic Plain and Chota Nagpur	+10	+ 8	+16	+ 9	+ 7	—21	— 4	0	+ 1	— 8	— 5	— 4	+ 1
Upper Sub-Himalayas	+ 9	+ 8	+ 9	+ 1	0	— 7	— 4	— 7	— 1	— 2	— 4	+ 2	0
Indus Valley and North-West Rajputana	+ 5	+ 3	+ 1	— 1	0	— 3	— 1	— 3	— 2	— 6	+ 3	+ 8	0
East Rajputana, Central India and Gujarat	+ 1	0	+ 6	— 1	— 8	— 8	— 7	—16	— 8	—10	— 6	— 5	— 5
Deccan	— 3	— 5	+ 4	— 1	+ 1	— 8	— 3	— 1	— 3	— 7	— 9	—10	— 4
West Coast	+ 2	— 9	— 4	— 1	+ 2	— 5	— 2	— 2	— 3	— 2	— 2	— 6	— 3
South India	+ 1	+ 3	+ 3	— 1	+ 3	0	— 2	+ 1	— 1	0	— 3	— 7	0

I.—The cold weather period.—

(1) The absolute humidity was more or less below the average in all parts of India, with the exception of Burma and the south of the Peninsula, but, owing partly to the prevailing depression of the temperature, the relative dryness, was neither so wide-spread nor so intense as the deficiency in vapour pressure. The dryness, both absolutely and relatively estimated, was greatest in the Bombay Deccan, Gujarat, Hyderabad and Berar :—

PROVINCE OR DIVISION.	DEPARTURE OF MEAN 8 HRS. VAPOUR PRESSURE FROM NORMAL IN			DEPARTURE OF MEAN 8 HRS. RELATIVE HUMIDITY FROM NORMAL IN		
	January.	February.	Period, January and February.	January.	February.	Period, January and February.
	"	"	"			
Burma	+·002	+·001	+·002	+ 2	+ 2	+2
Assam	—·018	—·086	—·052	— 1	— 1	—1
Bengal	—·004	—·107	—·056	0	— 6	—3
Orissa	+·003	—·115	—·056	+ 1	— 7	—3
Bihar	—·001	—·077	—·039	+ 6	0	+3
Chota Nagpur	+·014	—·060	—·023	+11	+ 7	+9
United Provinces of Agra and Oudh.	+·012	—·055	—·022	+ 7	+ 5	+6
Punjab	+·008	—·048	—·020	+ 5	+ 5	+5
North-West-Frontier Province.	+·011	—·069	—·029	+ 3	—10	—4
Sind	—·002	—·055	—·029	+ 5	+ 2	+4
Rajputana	0	—·046	—·023	+ 2	+ 2	+2
Gujarat	—·006	—·119	—·063	+ 1	—12	—6
Central India	0	—·079	—·040	+ 5	— 2	+2
Central Provinces	—·017	—·092	—·055	— 1	— 7	—4
Berar	—·021	—·098	—·060	— 3	— 9	—6
West Coast	+·020	—·049	—·015	+ 2	— 3	—1
Bombay Deccan	—·009	—·117	—·063	— 2	—13	—8
Hyderabad	—·022	—·073	—·048	— 5	— 9	—7
Mysore	—·005	+·042	+·019	+ 1	+ 5	+3
Madras Coast	+·004	+·015	+·010	+ 2	0	+1
Madras Deccan	—·022	+·041	+·010	— 5	+ 4	—1
South India	+·004	+·044	+·024	— 1	0	—1

The deficiency of aqueous vapour in the air in northern and central India, notwithstanding the large excess of precipitation there was probably due chiefly to more frequent incursions of dry air from the mountainous region surrounding upper India than usually occur during the period, a result of unusually frequent and heavy snowfall. A confirmation of this view is afforded by the fact that the vapour tension was greater than usual in Burma and the south of the Peninsula, regions practically beyond the reach of dry cold waves.

(2) In Baluchistan and the hill districts of the western Himalayas the relative humidity was high, but not the absolute humidity, which was slightly below the normal :—

STATION.	DEPARTURE OF MEAN 8 HRS. VAPOUR PRESSURE FROM NORMAL IN			DEPARTURE OF MEAN 8 HRS. RELATIVE HUMIDITY FROM NORMAL IN		
	January	February.	Period, January and February.	January.	February.	Period, January and February.
	"	"	"			
Chaman	—·012	—·023	—·018	+ 5	+16	+11
Quetta	+·005	—·010	—·003	+12	+19	+16
Murree	+·001	—·007	—·003	+14	+25	+20
Gilgit	—·005	—·032	—·019	0	— 3	— 2
Srinagar	+·015	—·019	—·002	+ 1	+ 4	+ 3
Simla	+·005	—·010	—·003	+11	+17	+14
Leh	+·006	—·006	0	+ 2	— 2	0
Chakrata	+·013	—·010	+·002	+16	+17	+17
Ranikhet	—·012	—·030	—·021	+ 8	+21	+15

II.—The hot weather period.—The meteorological conditions were very abnormal during this period. Weather was more unsettled than usual over by far the greater part of the country, and temperature was accordingly below the average almost universally in March and April, and in the eastern half of India in May.

Notwithstanding the excessive precipitation, the amount of moisture contained in the air was more or less below the normal over a large part of the country; the defect was shown chiefly in April, in which month well-marked winter conditions obtained in northern India; owing, however, to the depression of temperature, the relative humidity was in general above the average. More especially was this the case in Bihar, Chota Nagpur and the United Provinces, where the percentage of saturation averaged 8 above the normal:—

Province or Division.	Departure of mean 8 hrs. vapour pressure from normal in				Departure of mean 8 hrs. relative humidity from normal in			
	March.	April.	May.	Period, March to May.	March.	April.	May.	Period, March to May.
	"	"	"	"				
Burma . . .	+·012	—·063	—·008	—·020	+ 3	—3	—4	—1
Assam . . .	—·012	—·088	+·004	—·032	+ 3	0	—1	+1
Bengal . . .	—·015	—·100	—·024	—·046	+	0	+2	+2
Orissa . . .	—·004	—·067	—·060	—·044	0	—1	—2	—1
Bihar . . .	+·017	—·027	+·028	+·006	+ 9	+8	+8	+8
Chota Nagpur . .	+·061	—·048	—·021	—·003	+13	+6	+5	+8
United Provinces of Agra and Oudh.	+·029	—·001	+·051	+·026	+13	+6	+5	+8
Punjab . . .	—·016	—·054	+·001	—·023	+ 9	—1	—2	+2
North-West Frontier Province.	—·045	—·058	+·068	—·012	+ 3	—4	+3	+1
Sind . . .	—·030	—·023	+·007	—·015	+ 1	0	—3	—1
Rajputana . .	—·003	—·053	—·059	—·038	+10	0	—9	0
Gujarat . . .	+·025	—·049	+·024	0	+ 8	+1	+1	+3
Central India . .	+·016	—·095	+·014	—·022	+ 8	—4	0	+1
Central Provinces .	+·023	—·030	+·001	—·002	+ 5	+3	+2	+3
Berar . . .	—·034	—·105	+·065	—·025	— 2	—3	+1	—1
West Coast . .	—·082	—·082	+·012	—·051	— 4	—1	+2	—1
Bombay Deccan .	—·047	—·136	+·034	—·050	0	—8	—1	—3
Hyderabad . .	—·016	—·050	+·008	—·019	— 1	—1	—1	—1
Mysore . . .	—·016	—·043	+·023	—·012	0	—7	+3	—1
Madras Coast . .	+·028	—·027	+·009	+·003	0	—1	+3	+1
Madras Deccan .	+·032	+·032	+·079	+·048	+3	+3	+6	+4
South India . .	+·005	0	+·022	+·009	—1	+2	+3	+1

In Baluchistan and the western Himalayas the hygrometric conditions were similar in general character to those of the neighbouring plains:—

Station.	Departure of mean 8 hrs. vapour pressure from normal in				Departure of mean 8 hrs. relative humidity from normal in			
	March.	April.	May.	Period, March to May.	March.	April.	May.	Period, March to May.
	"	"	"	"				
Chaman . .	—·046	—·058	—·013	—·039	+ 5	—10	— 2	— 2
Quetta . .	—·022	—·054	—·011	—·029	+10	— 8	— 2	0
Murree . .	—·015	—·033	+·016	—·011	+11	— 1	— 1	+ 3
Gilgit . . .	—·050	—·021	+·026	—·015	— 9	+ 2	+ 7	0
Srinagar . .	—·038	—·044	+·015	—·022	0	0	+ 2	+ 1
Simla . . .	+·019	—·038	+·002	—·006	+20	— 1	— 1	+ 6
Leh . . .	—·015	—·018	—·006	—·013	0	0	— 1	0
Chakrata . .	—·005	—·019	+·024	0	+14	+ 5	+ 6	+ 8
Ranikhet . .	—·014	—·029	+·056	+·004	+11	+ 3	+12	+ 9

III.—The south-west monsoon period.—The departures of humidity from the normal during the period were not large and were over the greater part of the country related directly to the character of the rainfall distribution The percentage of saturation was roughly normal over Burma, north-east India, Sind and a large part of the Peninsula; but the air was drier than usual on the northern margin of the field of the Arabian Sea current as also in the west of the field of the Bay current.

OVINCE OR DIVISION.	DEPARTURE OF MEAN 8 HRS. VAPOUR PRESSURE FROM NORMAL IN					DEPARTURE OF MEIN 8 HRS. RELATIVE HUMIDITY FROM ..ORMAL IN				
	June.	July.	August.	September.	Period, June to September.	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"					
Burma	+·014	+·020	+·023	+·009	+·017	+ 1	+ 1	+ 1	+ 1	+ 1
Assam	0	+·009	+·016	+·005	+·008	0	0	+ 2	− 3	0
Bengal	+·030	−·006	+·015	−·005	+·009	− 1	0	+ 1	0	0
Orissa	−·023	−·034	−·002	−·002	−·015	−10	− 2	− 3	+ 1	− 4
Bihar	−·001	+·002	+·027	+·023	+·013	− 7	− 1	+ 3	+ 3	− 1
Chota Nagpur	−·139	−·021	+·012	+·002	−·037	−24	− 1	− 3	+ 4	− 6
United Provinces of Agra and Oudh	−·095	−·028	+·003	+·022	−·025	−16	− 6	− 2	0	− 6
Punjab	−·056	−·015	−·054	−·005	−·033	− 8	− 5	−10	− 2	− 6
North-West Frontier Province	−·053	+·010	−·037	+·006	−·019	− 9	− 4	− 8	0	− 5
Sind	−·001	+·009	−·050	+·009	−·008	+ 3	− 1	− 2	− 1	0
Rajputana	+·004	−·025	−·059	−·022	−·026	− 3	− 5	−12	− 5	− 6
Gujarat	+·017	0	−·016	−·006	−·001	− 1	− 2	− 4	− 4	− 3
Central India	−·106	−·019	−·015	+·011	−·032	−16	− 3	− 3	+ 1	− 5
Central Provinces	−·094	−·014	+·003	−·007	−·028	−18	− 3	− 2	+ 2	− 5
Berar	−·015	+·016	+·023	−·014	+·003	−10	− 3	− 2	+ 1	− 4
West Coast	−·001	+·016	−·002	−·001	+·003	− 1	− 3	− 2	− 4	− 3
Bombay Deccan	−·023	−·006	+·010	−·035	−·014	− 6	− 3	− 2	− 7	− 5
Hyderabad	−·031	0	+·021	−·018	−·007	− 5	− 3	+ 2	− 8	− 4
Mysore	+·006	+·013	+ 016	+·006	+·010	− 2	− 1	+ 1	− 1	− 1
Madras Coast	+·002	−·002	+·021	−·005	+·004	− 4	− 4	0	− 1	− 2
Madras Deccan	+·064	+·050	+·038	−·017	+·034	+ 6	+ 6	+ 6	− 7	+ 3
South India	+·022	−·006	−·003	+·001	+·004	+ 2	− 4	− 2	− 2	− 2

In Baluchistan and the hill districts of upper India the air was drier than usual. These conditions did not, however, extend northwards to Leh, where both absolute and relative humidities were above the average :—

STATION.	DEPARTURE OF MEAN 8 HRS. VAPOUR PRESSURE FROM NORMAL IN					DEPARTURE OF MEAN 8 HRS. RELATIVE HUMIDITY FROM NORMAL IN				
	June.	July.	August.	September.	Period, June to September.	June.	July.	August.	September.	Period, June to September.
	"	"	"	"	"					
Quetta	−·090	−·043	+·011	−·063	−·046	− 8	− 5	−10	− 7	− 8
Murree	−·062	+·009	+·002	−·014	−·016	−13	− 3	− 7	− 6	− 7
Gilgit	+·003	−·078	−·144	+·027	−·048	+ 4	−10	−15	+ 2	− 5
Srinagar	−·047	−·049	−·047	−·021	−·041	− 4	− 8	− 7	− 2	− 5
Simla	−·058	−·011	−·009	−·026	−·026	−14	− 1	− 2	− 6	− 6
Leh	−·008	+·023	−·021	+·037	+·008	+ 4	+10	− 2	+12	+ 6
Chakrata	−·077	−·005	+·013	−·002	−·018	−17	− 1	0	− 3	− 5
Ranikhet	−·056	+·012	+·002	+·032	−·003	−13	− 1	0	+ 1	− 3
Darjeeling	+·005	0	+·008	+·018	+·008	− 2	− 1	+ 1	+ 1	0

IV.—The retreating monsoon period.—The departures of the humidity conditions were in general similar to those of the rainfall. The chief feature was the great dryness in Chota Nagpur, Rajputana, Central India, the Central Provinces, the Bombay Deccan and Hyderabad, areas where the rainfall of the period was in marked defect :—

Province or Division.	Departure of mean 8 hrs. vapour pressure from normal in				Departure of mean 8 hrs. relative humidity from normal in			
	October.	November.	December.	Period, October to December.	October.	November.	December.	Period, October to December.
	"	"	"	"				
Burma . .	+·024	+·016	+·054	+·031	+ 2	+ 2	+ 5	+ 3
Assam . .	0	+·014	+·024	+·013	— 1	— 2	— 1	— 1
Bengal . .	+·024	—·008	+·002	+·006	+ 1	— 2	— 2	— 1
Orissa . .	+·019	—·038	—·046	—·022	+ 2	— 1	— 1	0
Bihar . . .	+·031	0	—·008	+·008	0	— 1	0	0
Chota Nagpur .	—·029	—·063	—·037	—·043	— 3	— 9	— 5	— 6
United Provinces of Agra and Oudh.	—·034	—·021	—·022	—·026	— 4	— 7	— 4	— 5
Punjab . .	—·004	+·015	+·017	+·009	— 2	— 2	+ 3	0
North-West Frontier Province.	+·027	+·041	+·034	+·034	— 1	+ 1	+ 6	+ 2
Sind . . .	+·029	+·110	+·060	+·066	— 2	+ 6	+ 6	+ 3
Rajputana . .	—·031	—·011	—·027	—·023	— 6	— 6	— 7	— 6
Gujarat . .	+·009	+·003	—·016	—·001	— 3	— 6	— 3	— 4
Central India .	—·090	—·054	—·046	—·063	— 8	—10	— 6	— 8
Central Provinces .	—·032	—·057	—·067	—·052	— 4	— 8	— 7	— 6
Berar . . .	—·058	—·059	?	?	— 7	— 9	— 2	— 6
West Coast . .	+·005	+·024	—·045	—·005	— 1	— 2	— 3	— 2
Bombay Deccan .	—·037	—·047	—·106	—·063	— 8	— 7	—12	— 9
Hyderabad . .	—·008	—·051	—·095	—·051	— 2	—10	— 9	— 7
Mysore . .	+·007	+·030	—·028	+·003	+ 1	+ 2	— 4	0
Madras Coast .	—·011	—·010	—·038	—·020	— 1	— 3	— 3	— 2
Madras Deccan .	—·001	+·020	—·067	—·016	+ 1	— 1	—15	— 2
South India .	+·009	+·022	—·032	0	0	0	— 2	— 1

There was an excess of moisture in Persia, Baluchistan and parts of the western Himalayas. The relative humidity was also generally above the average, more especially in December, when it was 21 above the normal at Cherat and 11 at Quetta :—

Station.	Departure of mean 8 hrs. vapour pressure from normal in				Departure of mean 8 hrs. relative humidity from normal in			
	October.	November.	December.	Period, October to December.	October.	November.	December.	Period, October to December.
	"	"	"	"				
Bushire . .	+·089	+·055	—·019	+·042	+10	+ 9	+ 2	+ 7
Jask . . .	—·038	+·060	+·018	+·013	— 1	+ 7	+ 5	+ 4
Quetta . .	+·028	+·025	+·032	+·028	+ 4	+ 6	+11	+ 7
Cherat . .	+·048	0	+·043	+·030	+ 7	— 1	+21	+ 9
Murree . .	+·007	+·028	+·013	+·016	0	+ 1	+ 9	+ 3
Simla . . .	—·011	—·011	+·008	—·005	— 5	— 2	+ 6	0
Leh . . .	—·019	—·041	+·006	—·018	—12	—25	+ 5	—11
Chakrata . .	—·042	—·014	+·005	—·017	— 5	— 4	+ 3	— 2

The year—

(*a*) On the average of the whole year the 8 hrs. relative humidity was in slight defect, a result solely of the deficiency in the amount of aqueous vapour of which the pressure was below the normal.

(*b*) The dryness was shown almost equally in tropical and extra-tropical India.

(*c*) The driest period of the year as regards the proportion of vapour in the air lasted from February to April. The dryness was, contrary to the usual rule, associated with excess of precipitation and so far as can be judged was due to frequent incursions of dry air from the mountainous region bordering upper India, consequent upon frequent and heavy snowfall.

(*d*) The larger departures were remarkably persistent: thus, in East Rajputana, Central India and Gujarat, the vapour tension was less than usual in eleven out of twelve months, while in South India it was in defect in only two months.

Cloud.

Normal values of the mean monthly and annual amount of cloud at second class stations have been obtained from the whole of the available data up to the end of the year 1899 given in Tables XXXV and XXXVI of the Indian Meteorological Memoirs, Vol. XVII. These means are the arithmetical averages of the cloud amounts as registered at 10 and 16 hrs., and hence represent the mean amount during the day period rather than of the whole 24 hours.

Departure data of this element of meteorological observation for the year 1905 are given in Tables XXIV, XXV and XXVI. Table XXV gives the mean departure data for the sixteen meteorological areas adopted in the geographical summaries of the meteorological data in the Annual Reports previous to 1891, and Table XXVI gives similar data for nine meteorological provinces of India.

TABLE XXIV.—*Departure of the monthly and annual mean cloud proportion of 1905 from the average of past years.*

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Burma Coast and Bay Islands.	Port Blair	+0·3	+0·5	+0·8	−0·2	+0·3	+0·3	−0·9	−0·8	−0·5	+0·4	−1·2	−1·2	−0·2
	Rangoon	+1·3	−0·2	0	−0·9	−1·0	−0·6	−0·3	−0·3	+0·2	+0·8	−0·7	−0·7	−0·2
	Diamond Island	−0·5	−0·7	−0·6	−1·0	−1·0	+0·8	+0·3	+0·1	+0·3	−0·3	−1·9	−1·1	−0·5
	Cocos Island	−0·3	+0·1	+1·5	+0·2	+0·7	+1·3	+0·8	−0·4	+0·6	+1·4	−0·5	+0·3	+0·5
	Akyab	−1·3	+0·1	+1·0	−1·1	−1·5	−0·3	−0·2	−0·2	−1·4	−1·4	−2·5	−1·3	−0·8
Bengal and Orissa	Chittagong	+1·4	0	+1·2	−0·8	−1·2	−1·9	−0·1	−0·7	−0·9	−0·2	−1·2	+0·6	−0·3
	Calcutta (Alipore)	+1·7	+1·2	+3·1	+1·4	+1·2	−1·1	+0·2	+0·1	−0·1	+0·3	−0·7	−0·3	+0·6
	Saugor Island	+0·5	+0·6	+1·9	−0·1	−0·5	−1·1	+0·4	−0·2	+0·2	−0·2	−1·1	−0·7	0
	False Point	+1·0	+1·8	+2·8	+1·4	+0·3	−0·6	+0·3	0	+1·1	+1·0	0	+0·2	+0·8
Gangetic Plain and Chota Nagpur.	Hazaribagh	+1·8	+0·8	+2·6	+0·2	+0·2	+0·4	+0·3	−0·7	+0·1	−1·7	−0·3	−0·8	+0·2
	Allahabad	+1·1	+1·1	+3·2	−0·3	−0·2	−2·7	0	+0·5	+0·5	−0·6	+1·3	0	+0·3
Upper Sub-Himalayas.	Dehra Dun	+1·6	+2·4	+2·7	−0·4	+0·4	−2·5	−0·8	+0·3	−0·3	−0·8	+0·2	+0·4	+0·3
	Roorkee	+0·4	+1·0	+1·2	−1·0	−1·0	−2·0	−1·9	−1·4	−0·9	−0·7	−0·5	−0·1	−0·6
	Meerut	0	+1·9	+1·2	−0·4	−1·1	+1·4	−1·4	−2·5	−0·3	?	?	?	?
	Lahore	+1·4	+0·8	+1·8	−0·9	−1·1	−1·7	−2·3	−3·1	0	−0·1	−0·7	+0·7	−0·4
	Ludhiana	−1·0	−0·4	−1·0	−1·5	−1·4	−1·6	−2·1	−4·3	−1·6	−0·6	−1·1	−0·9	−1·5
Indus Valley and North-West Rajputana.	Peshawar	+1·0	−0·4	+0·5	−0·8	−0·8	−1·1	−0·8	−0·8	+0·5	−0·4	−0·1	+0·5	−0·2
	Jacobabad	+0·4	−0·2	−0·7	−1·0	−0·7	−0·8	−1·5	−2·1	+0·2	+0·1	−0·5	+0·8	−0·5
	Kurrachee	+1·7	+1·3	+1·4	+0·9	−0·4	+0·7	+0·8	+0·3	0	+2·1	+1·5	+0·5	+0·9
East Rajputana, Central India and Gujarat.	Jaipur	+0·6	+1·1	+2·1	−0·3	−0·4	−2·9	−0·3	−3·8	+0·8	−0·3	+0·1	−1·1	−0·4
	Dessa	+0·3	−0·3	+1·8	−0·4	−1·1	−2·1	+0·4	−1·5	−2·0	−0·3	+0·8	−1·1	−0·5

TABLE XXIV.—*Departure of the monthly and annual mean cloud proportion of 1905 from the average of past years*—concld.

Meteorological Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Deccan	Belgaum	+1·6	+0·8	−0·1	+0·2	+0·7	−0·8	−1·0	+0·3	−0·5	−0·9	+1·2	+0·4	−0·2
	Sholapur	+0·5	−0·4	+0·1	−0·7	+0·9	−1·2	+0·4	+0·6	−0·4	−0·8	+0·3	−1·6	−0·2
	Akola	+0·5	−0·1	+0·7	−0·5	−0·1	−2·2	+0·3	+1·3	+0·7	−0·6	+0·8	−0·5	0
	Buldana	+0·6	−0·5	+0·9	−1·1	−0·1	−2·1	−0·2	+0·3	−1·1	−1·9	+0·1	−1·4	−0·5
	Khandwa	+0·5	−0·3	+0·3	−1·0	−0·4	−2·5	−1·5	−2·6	−1·5	−0·7	+0·1	−1·1	−0·9
	Nagpur	+0·7	−0·6	+1·1	−1·3	−0·5	−2·0	−1·4	−0·6	−0·5	−1·8	0	−1·1	−0·7
	Hyderabad (Deccan)	+0·6	0	+0·3	+0·7	+1·7	+0·1	−1·0	+0·3	+0·2	+0·2	−0·3	−1·0	+0·2
West Coast	Bombay	+1·1	0	+1·5	+0·1	−0·1	−1·8	+0·3	+0·3	−0·4	−0·1	+1·4	0	+0·2
	Karwar	+0·4	−0·5	−0·7	−1·8	−0·5	−1·6	−1·7	−0·6	−2·2	−1·0	−0·1	−0·8	−0·9
South India	Salem	+0·1	+0·6	+0·5	+1·2	+0·9	+0·6	−0·2	−0·1	+0·7	−0·3	+0·1	−1·0	+0·3
	Chitaldroog	−0·1	−0·5	−0·6	−2·0	+0·3	−1·4	−1·1	−0·6	−1·1	−1·1	−0·3	−1·2	−0·8
	Hassan	+0·6	+0·5	−0·2	−1·2	+0·8	−0·3	−0·1	+0·3	−0·8	−1·1	−0·7	−1·1	−0·3
	Mysore	0	+1·4	+2·2	−0·1	+0·9	−0·1	−0·1	+0·4	−0·2	−0·9	−0·6	+0·3	+0·3
	Madras	−1·2	−0·1	+1·4	+1·0	0	−0·8	−1·6	−0·8	−0·5	−0·4	+0·1	−1·8	−0·4
	Bellary	+0·2	+0·9	−0·6	−0·7	−0·6	−1·4	−1·3	−0·5	−1·6	−2·3	−0·8	−1·4	−0·8
	Waltair	+2·2	+4·1	+2·8	+1·8	+1·6	+0·7	+1·1	+0·7	+2·1	0	+0·2	+0·6	+1·5
Hill Station, Baluchistan.	Quetta	+0·4	+1·0	+1·1	−0·4	−0·7	−0·7	−0·5	−1·0	+0·1	+0·3	+0·5	+1·2	+0·1
Hill Stations, Northern India.	Leh	−0·1	−0·1	+1·3	−0·9	−1·1	+0·6	−0·8	−1·3	−0·2	−0·3	0	+0·8	−0·2
	Srinagar	+1·4	+1·5	+2·2	+0·3	0	−0·4	−0·8	−1·2	−0·1	−1·0	−1·1	+2·6	+0·3
	Simla (Ridge)	+1·3	+1·9	+2·8	−0·5	−0·8	−1·7	+0·4	−0·9	−1·3	−0·6	−1·2	+0·8	0
	Chakrata	+1·1	+1·5	+1·6	−0·5	+0·3	−1·7	+0·2	−0·8	−0·5	−0·9	−0·3	+0·2	0
	Ranikhet	+1·0	+2·5	+2·2	−0·6	−0·8	−3·2	+0·2	−0·4	+0·2	−1·4	+0·6	−0·3	0
	Katmandu	−0·2	+0·7	+0·6	−0·9	+0·2	−2·1	+0·5	+0·1	+0·2	−1·5	−0·2	−0·6	−0·3
	Darjeeling	+0·5	−0·3	+1·5	+0·6	−0·4	−1·3	−0·7	+0·3	−0·7	+0·1	+1·5	+1·7	+0·2
Hill Stations, Central India.	Mount Abu	+1·4	+0·4	+2·3	0	−0·5	−2·1	+0·4	−0·2	−1·3	+0·1	+1·6	−0·9	+0·1
	Pachmarhi	−0·6	−1·0	+0·5	−1·2	−0·9	−2·7	−0·4	+0·1	−1·6	−1·8	−0·6	−1·2	−1·0
	Chikalda	+0·6	−0·5	+1·8	−0·6	+0·8	−1·4	−1·0	−0·9	0	+0·4	0	−1·3	−0·2
Extra-Indian Stations.	Aden	−1·9	−2·2	−1·4	−0·9	−0·5	−0·9	−1·8	−1·1	−1·5	−1·3	−1·1	−1·3	−1·3
	Perim	−1·3	−1·4	−0·2	−0·8	−1·6	?	−2·4	−1·7	−1·2	−0·8	−0·6	−1·3	?
	Zanzibar	+1·0	+0·1	?	?	?	?	?	?	?	?	?	?	?
	Port Victoria (Seychelles)	−0·7	+0·5	−1·0	+0·6	+0·2	−1·8	−0·1	+0·4	+0·5	−1·0	−1·0	+1·5	−0·2
	Mauritius (Pamplemouses)	+1·9	−0·4	+1·7	+0·5	+1·5	+0·2	+0·9	+0·8	+0·3	−0·3	+1·0	+0·8	+0·7

TABLE XXV.—*Geographical summary of the cloud departure data of Table II in the Monthly Weather Reviews of 1905.*

METEOROLOGICAL AREA.	Number of Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
North-West Himalayas	5	+0·9	+1·5	+2·0	−0·4	−0·5	−1·3	−0·2	−0·9	−0·4	−0·8	−0·4	+0·8	0
Sikkim Himalayas and Nepal	2	+0·2	+0·2	+1·1	−0·2	−0·1	−1·7	−0·1	+0·2	−0·3	−0·7	+0·7	+0·6	0
Punjab Plains	3	+0·5	0	+0·4	−1·1	−1·1	−1·5	−1·7	−2·7	−0·4	−0·4	−0·6	+0·1	−0·7
Gangetic Plain	3—4	+0·8	+1·6	+2·1	−0·5	−0·5	−1·5	−1·0	−0·8	−0·3	−0·7	+0·3	+0·1	0
Western Rajputana	4	+1·0	+0·3	+1·2	−0·1	−0·7	−1·1	0	−0·9	−0·8	+0·5	+0·9	−0·2	0
Eastern Rajputana and Central India	1	+0·6	+1·1	+2·1	−0·3	−0·4	−2·9	−0·3	−3·8	+0·8	−0·3	+0·1	−1·1	−0·4
Nerbudda Valley	1	+0·5	−0·3	+0·3	−1·0	−0·4	−2·5	−1·5	−2·6	−1·5	−0·7	+0·1	−1·1	−0·9
Chota Nagpur	1	+1·8	+0·8	+2·6	+0·2	+0·2	+0·4	+0·3	−0·7	+0·1	−1·7	−0·3	−0·8	+0·2
Lower Bengal	2	+1·1	+0·9	+2·5	+0·7	+0·4	−1·1	+0·3	−0·1	+0·1	+0·1	−0·9	−0·5	+0·3
Orissa	1	+1·0	+1·8	+2·8	+1·4	+0·3	−0·6	+0·3	0	+1·1	+1·0	0	+0·2	+0·8
Central Provinces (South) and Berar	5	+0·4	−0·5	+1·0	−0·9	−0·2	−2·1	−0·5	0	−0·5	−1·1	+0·1	−1·1	−0·5
Konkan	2	+0·8	−0·3	+0·4	−0·9	−0·3	−1·7	−0·7	−0·2	−1·3	−0·6	+0·7	−0·4	−0·4
Deccan, Hyderabad and Mysore	7	+0·5	+0·4	+0·2	−0·5	+0·7	−0·7	−0·6	+0·1	−0·6	−1·0	−0·2	−0·8	−0·2
East Coast and Carnatic	3	+0·4	+1·5	+1·6	+1·3	+0·8	+0·2	−0·2	−0·1	+0·8	−0·2	+0·1	−0·7	+0·5
Arakan and Pegu	4	+0·2	−0·2	+0·4	−1·0	−1·2	−0·5	−0·1	−0·3	−0·5	−0·3	−1·6	−0·6	−0·5
Bay Islands	2	0	+0·3	+1·2	0	+0·5	+0·8	−0·1	−0·6	+0·1	+0·9	−0·9	−0·5	+0·1
Extra-Tropical India	22—23	+0·8	+0·8	+1·6	−0·4	−0·5	−1·4	−0·5	−1·1	−0·4	−0·4	0	+0·1	−0·1
Tropical India	24	+0·4	+0·2	+0·8	−0·4	+0·1	−0·8	−0·4	−0·1	−0·3	−0·5	−0·3	−0·7	−0·2
Whole India	46—47	+0·6	+0·5	+1·2	−0·4	−0·2	−1·1	−0·4	−0·6	−0·3	−0·5	−0·2	−0·4	−0·2

TABLE XXVI.—*Departure of the mean monthly and annual cloud amount from normal in the nine meteorological provinces of India in 1905.*

METEOROLOGICAL PROVINCE.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
Burma Coast and Bay Islands	−0·1	0	+0·5	−0·6	−0·8	+0·3	0	−0·3	−0·2	+0·2	−1·4	−1·1	−0·3
Bengal and Orissa	+1·2	+0·9	+2·3	+0·5	−0·1	−1·2	+0·2	−0·2	+0·1	+0·2	−0·8	−0·1	+0·3
Gangetic Plain and Chota Nagpur	+1·5	+1·0	+2·9	−0·1	0	−1·2	+0·2	−0·1	+0·3	−1·2	+0·5	−0·4	+0·3
Upper Sub-Himalayas	+0·5	+1·1	+1·2	−0·8	−0·8	−1·3	−1·7	−2·2	−0·6	−0·6	−0·5	0	−0·5
Indus Valley and North-West Rajputana	+1·0	+0·2	+0·4	−0·3	−0·6	−0·4	−0·5	−0·9	+0·2	+0·6	+0·3	+0·6	0
East Rajputana, Central India and Gujarat	+0·5	+0·4	+2·0	−0·4	−0·8	−2·5	+0·1	−2·7	−0·6	−0·3	+0·5	−1·1	−0·4
Deccan	+0·7	−0·2	+0·5	−0·5	−0·5	−1·5	−0·6	−0·1	−0·4	−0·9	+0·3	−0·9	−0·3
West Coast	+0·8	−0·3	+0·4	−0·9	−0·3	−1·7	−0·7	−0·2	−1·3	−0·6	+0·7	−0·4	−0·4
South India	+0·3	+0·9	+0·8	0	+0·6	−0·4	−0·4	−0·1	+0·2	−0·9	−0·3	−0·8	0

I.—The cold weather period.—This was an unusually cloudy period throughout the whole country with the apparent exception of Berar. The abnormal cloudiness was most marked over the tract of country extending from Rajputana eastwards to Assam. The abnormal features of the cloud distribution were generally but not invariably coincident with those of rainfall :—

Province or Division.	Departure of mean 8 hrs. cloud amount from normal in		
	January.	February.	Period, January and February.
Burma	+0·5	+0·3	+0·4
Assam	+1·5	+1·1	+1·3
Bengal	+1·8	+0·7	+1·3
Orissa	+1·7	+1·9	+1·8
Bihar	+1·4	+1·3	+1·4
Chota Nagpur	+1·1	+1·0	+1·1
United Provinces of Agra and Oudh	+0·7	+1·4	+1·1
Punjab	+0·6	+0·8	+0·7
North-West Frontier Province	+1·2	—0·3	+0·5
Sind	+0·7	+0·9	+0·8
Rajputana	+0·8	+1·3	+1·1
Gujarat	+0·8	0	+0·4
Central India	+2·2	+1·2	+1·7
Central Provinces	+1·3	0	+0·7
Berar	+0·2	—0·3	—0·1
West Coast	+0·9	+0·3	+0·6
Bombay Deccan	+0·7	—0·1	+0·3
Hyderabad	+0·3	+0·3	+0·3
Mysore	+0·6	+1·2	+0·9
Madras Coast	—0·2	+1·1	+0·5
Madras Deccan	+0·8	+1·1	+1·0
South India	+0·4	+1·4	+0·9

In Baluchistan, Kashmir and the western Himalayas the cloud proportion exceeded considerably that of an average winter season, but in the eastern Himalayas it fell short :—

Station.	Departure of mean 8 hrs. cloud amount from normal in		
	January.	February.	Period, January and February.
Quetta	+0·4	+1·5	+1·0
Murree	+0·1	+0·2	—0·1
Gilgit	+1·9	+0·5	+1·2
Srinagar	+0·8	+2·1	+1·5
Simla	+0·6	+0·6	+0·6
Leh	+0·7	+0·8	+0·8
Chakrata	+0·6	+1·6	+1·1
Ranikhet	+1·0	+2·2	+1·6
Darjeeling	—0·1	—1·1	—0·6

II.—The hot weather period.—The cloud distribution of the period resembled more closely that of relative humidity rather than that of rainfall. On the mean of the period there was more than the average proportion of cloud over practically the whole of northern India, and in a modified degree this feature was shared by a large part of the Peninsula, the only important exceptions being the Deccan, Hyderabad and Berar. The greatest excess occurred in Central India, where it averaged 1·8 ; but over Chota Nagpur, the United Provinces, Orissa, Bengal and Assam also the normal amount of cloud was moderately exceeded :—

Province or Division.	Departure of mean 8 hrs. cloud amount from normal in			
	March.	April.	May.	Period, March to May.
Burma	+1·2	—1·0	—1·4	—0·4
Assam	+1·6	—0·2	0	+0·5
Bengal	+2·0	—0·2	—0·3	+0·5
Orissa	+1·8	+0·1	—0·2	+0·6
Bihar	+1·2	—0·4	—0·4	+0·1
Chota Nagpur	+2·3	+0·5	—0·5	+0·8
United Provinces of Agra and Oudh.	+1·7	—0·2	—0·1	+0·5
Punjab	+1·7	—0·8	—0·9	0
North-West Frontier Provinces.	+1·1	—0·2	+0·1	+0·3
Sind	+0·7	+0·2	—0·3	+0·2
Rajputana	+1·9	—0·4	—0·9	+0·2
Gujarat	+1·6	—0·2	—1·3	0
Central India	+3·5	+0·8	+1·1	+1·8
Central Provinces	+0·8	—0·7	—0·1	0
Berar	+1·2	—1·3	—1·1	—0·4
West Coast	—0·3	—0·7	+1·2	+0·1
Bombay Deccan	+0·5	—1·2	—0·1	—0·3
Hyderabad	—0·4	—0·9	+0·4	—0·3
Mysore	+0·8	—0·8	+0·4	+0·1
Madras Coast	+0·6	+0·5	—0·1	+0·3
Madras Deccan	+0·1	0	—0·1	0
South India	0	—0·2	+0·6	+0·1

The data indicate that the abnormal cloudiness was, except in a few districts, shown almost entirely in the month of March, the succeeding two months being on the whole less clouded than usual.

Conditions were somewhat different in Persia and Afghanistan, where the cloud proportion was high all through the period instead of only in March. In Baluchistan and

the western Himalayas, on the other hand, April and May were characterized by less cloud than usual :—

Station.	Departure of mean 8 hrs. cloud amount from normal in			
	March.	April.	May.	Period, March to May.
Baghdad	+3·0	+1·1	+1·0	+1·7
Bushire	+1·1	+0·9	+0·7	+0·9
Chaman	+0·1	−0·3	−0·5	−0·2
Quetta	+1·6	−0·6	−0·4	+0·2
Kabul	+0·3	+1·2	+0·8	+0·8
Murree	+0·8	−1·9	−0·7	−0·6
Simla	+2·0	−1·1	−0·4	+0·2
Leh	+1·8	0	−0·7	+0·4
Chakrata	+1·8	−0·6	+1·3	+0·8
Darjeeling	+0·3	−0·6	+1·1	+0·3

III.—The South-west monsoon period.—As is usually the case during the rains, the departures of cloud amount from the normal agreed fairly with those of rainfall. Thus the proportion of cloud was low over by far the greater part of the country ; it was lowest over an area including Rajputana, the Punjab, Sind and the Bombay Deccan and coinciding roughly with the zone of maximum deficiency of rainfall :—

Province or Division.	Departure of mean 8 hrs. cloud amount from normal in				
	June.	July.	August.	September.	Period, June to September.
Burma	+0·8	+0·2	0	+0·4	+0·4
Assam	−0·4	−0·5	+0·4	−0·2	−0·2
Bengal	−1·2	−0·4	0	−0·1	−0·4
Orissa	−1·1	−0·3	−1·0	+0·7	−0·4
Bihar	−2·1	−0·6	+0·3	+0·9	−0·4
Chota Nagpur	−1·0	+0·3	−0·4	+0·7	−0·1
United Provinces of Agra and Oudh.	−2·4	−1·2	−0·4	0	−1·0
Punjab	−1·8	−1·5	−2·3	−0·1	−1·4
North-West Frontier Province.	−0·5	−1·7	−1·7	+0·6	−0·8
Sind	−1·1	−1·6	−1·7	−0·4	−1·2
Rajputana	−2·4	−1·1	−3·1	+0·4	−1·6
Gujarat	−0·4	−0·4	−2·0	−0·8	−0·9
Central India	0	+1·3	+0·9	+1·8	+1·0
Central Provinces	−1·6	−0·6	−0·7	+0·3	−0·7
Berar	−2·4	−0·5	+0·6	+0·9	−0·4
West Coast	−0·7	−0·9	+0·3	−0·8	−0·5
Bombay Deccan	−2·0	−1·1	−0·5	−1·5	−1·3
Hyderabad	−0·5	−0·9	+0·5	−1·5	−0·6
Mysore	−0·8	−0·2	+0·4	−0·7	−0·3
Madras Coast	−1·0	−1·4	−0·9	−0·2	−0·9
Madras Deccan	−0·4	−1·9	0	−1·3	−0·9
South India	−0·3	−1·8	−1·1	−0·9	−1·0

Cloud was as largely in defect at the hill stations in north west India and the Peninsula as at the adjacent plains :—

Station.	Departure of mean 8 hrs. cloud amount from normal in				
	June.	July.	August.	September.	Period, June to September.
Quetta	−0·6	−0·6	−1·0	+0·3	−0·5
Gilgit	−0·3	−1·5	−2·1	−0·7	−1·2
Srinagar	−1·0	−1·6	−0·7	−0·7	−1·0
Simla	−2·5	−0·2	−0·4	−0·7	−1·0
Leh	+1·0	+0·2	−0·4	−0·2	+0·2
Chakrata	−1·4	+1·9	+0·7	+0·3	+0·4
Ranikhet	−4·4	−0·8	−1·2	+1·1	−1·3
Darjeeling	+0·6	−0·6	+0·8	+0·1	+0·2
Pachmarhi	−2·8	0	0	−0·7	−0·9
Wellington	−3·2	−1·0	−0·3	+1·2	−0·8

IV.—The retreating south-west monsoon period.—

(*a*) Cloud was very irregularly distributed during this period over northern India. It was in excess at its eastern and western limits and in defect in the intervening zone, including the Punjab, Rajputana, the United Provinces, Bihar and Chota Nagpur.

(*b*) Skies were less clouded than usual during the period in the Peninsula and Burma, particularly

in December. The cloud proportion, on the other hand, was unusually high in Central India :—

Province or Division.	Departure of mean 8 hrs. cloud amount from normal in			
	October.	November.	December.	Period, October to December.
Burma	−0·1	−1·2	−0·4	−0·6
Assam	+1·0	+0·2	+1·8	+1·0
Bengal	0	−0·2	+1·0	+0·3
Orissa	−0·1	−0·4	+0·3	−0·1
Bihar	−1·5	−0·2	+0·6	−0·4
Chota Nagpur	−1·4	−0·6	−0·3	−0·8
United Provinces of Agra and Oudh	−0·5	0	−0·5	−0·3
Punjab	−0·3	−0·9	+0·1	−0·4
North-West Frontier Province	−0·2	−0·1	+0·8	+0·2
Sind	+0·9	+0·1	−0·1	+0·3
Rajputana	+0·1	−0·2	−1·1	−0·4
Gujarat	+0·7	+1·4	−0·7	+0·5
Central India	+1·3	+2·2	+0·3	+1·3
Central Provinces	−0·6	+0·8	−0·6	−0·1
Berar	+0·3	+0·7	−1·0	0
West Coast	+0·4	+1·2	−0·1	+0·5
Bombay Deccan	−0·8	+0·7	−0·6	−0·2
Hyderabad	−0·3	+0·1	−0·4	−0·2
Mysore	−0·5	+0·1	−0·5	−0·3
Madras Coast	−0·8	−0·3	−0·6	−0·6
Madras Deccan	−0·8	0	−0·4	−0·4
South India	−0·9	+0·8	−0·9	−0·3

These departures were parallel with those of rainfall, the only notable exceptions being Sind, Gujarat and Central India, where, in spite of the shortness of rainfall, the proportion of cloud was above the average.

(*c*) The amount of cloud was greater than usual in Persia and Baluchistan and about normal in the western Himalayas :—

Station.	Departure of mean 8 hrs. cloud amount from normal in			
	October.	November.	December.	Period, October to December.
Bushire	+0·1	−0·5	+1·7	+0·4
Jask	+2·0	+2·2	+3·7	+2·6
Chaman	−0·5	−0·9	+0·8	−0·2
Quetta	−0·2	−0·3	+1·6	+0·4
Murree	−0·6	−1·9	+0·3	−0·7
Gilgit	−0·6	+0·3	+0·8	+0·2
Srinagar	−1·1	−1·4	+1·7	−0·3
Leh	−0·3	−0·9	+0·8	−0·1
Chakrata	−0·8	−0·1	−0·6	−0·5
Darjeeling	−0·2	+0	+1·8	+0·6

The year.—On the mean of the whole Indian area the cloud proportion was high from January to March and low during the remainder of the year. The excess of cloudiness was greatest in March, the rainiest month of the year relatively to the normal; while the defect was most marked in June, July and August, in which months the rainfall was unusually scanty. On the whole 1905 had rather less cloud than usual.

The statement below shows the departure of the mean amount of cloud in the Indian area, annually during the period 1875-1905 :—

Year.	Amount of Departure.
1875	0
1876	−0·2
1877	+0·3
1878	+0·1
1879	−0·1
1880	−0·1
1881	−0·1
1882	0
1883	+0·1
1884	−0·1
1885	+0·2
1886	+0·2
1887	−0·1
1888	−0·2
1889	+0·1
1890	+0·2
1891	+0·1
1892	+0·1
1893	+0·5
1894	+0·5
1895	+0·1
1896	−0·2
1897	0
1898	−0·2
1899	−0·3
1900	+0·2
1901	+0·1
1902	−0·1
1903	−0·1
1904	−0·3
1905	−0·2

Snowfall.

A.—The cold weather of 1904-05 and the succeeding hot weather.—The snowfall during this period showed the following characteristics:—

(1) The winter commenced earlier than usual in the mountain regions to the north and west of upper India and apparently lasted longer than usual over a large part of that area.

(2) The precipitation in Baluchistan was heavier than usual and occurred chiefly in January and February.

(3) The snowfall was much above the average in the Afghan mountain districts in the first three months of the year. Occasional falls were also received in April and about the middle of May, but they were in no way remarkable.

(4) In Kashgaria and the Russian Pamirs the winter was unusually severe and there was at the end of May an abnormally large accumulation of snow in the latter area.

(5) The precipitation in Chitral was more or less below the normal thrughout the period January to April. The deficiency was most marked in April when it amounted to about 70 per cent.

(6) The precipitation in Gilgit was much above the normal in March and May and in slight defect in January, February and April.

(7) There were heavy falls of snow in Kashmir in the period February to April, and there was hence a large excess of snow in the beginning of May. Occasional falls also occurred in May, but they were apparently local. In Ladak (as represented by Leh) conditions were fairly normal except in March when weather was more disturbed than usual.

(8) In the Punjab Himalayas moderate to heavy snow fell in the first four months of the year and light snow in May. Snow lay 18 feet deep on the Sach pass towards the end of May. The snowline in Pangi was at a much lower elevation than usual at the close of May.

(9) The data for the Kumaon Himalayas show that the snowfall there up to the end of May was much above the normal.

(10) The information for the Assam Himalayas, although very meagre, appeared to indicate that over the hills bordering Sadiya the fall was not only unusually heavy, but also descended to a much lower level than usual.

(11) The available information hence sufficed to establish that notwithstanding the prevalence of fairly quiet conditions during the greater part of May, the snow had accumulated to a greater depth in parts of the western Himalayas and covered a larger area than is usual at the beginning of June.

B.—The south-west monsoon period, June to September.—During June the snowfall near Chitral was light: but on the higher ranges of the Punjab and Kashmir Himalayas there occurred one heavy fall and several lighter ones. In July this was repeated and the total fall of the two months measured about six feet on the Sach pass and seven feet on the mountains near Dras. During the storm of the 6th June the snowline descended to 9,000 feet in the Kulu hills and during that of the 13th July to 11,000 feet in the Chamba hills. In the neighbourhood of Gilgit and Leh the accumulations of snow were disappearing in a satisfactory manner and the road to Yarkand was open. In August little or no snow fell except locally in Kumaon where the Nuwe pass received a total fall of 7½ feet. In September there were several falls in Kashmir, Kumaon and the Simla hills, the total fall being above the average in the first two areas. Much snow was reported to have fallen about the middle of the month on the passes leading into Yarkand.

C.—The period October to December.—

(*a*) There were no heavy falls in October, although the total fall of the month exceeded the normal on the Sufed Koh; cold-weather conditions were delayed in Kashmir.

(*b*) In November the snowfall was heavier than usual on the Sufed Koh, the hills to the north of Kurram and on the western ranges in Kashmir; it was normal or below it in Ladak and the Punjab Himalayas. The snowline descended as low as 7,500 feet in the Simla hills on the 23rd of November.

(*c*) In December several falls occurred during the last twenty days of the month. The total fall was on the whole lighter than usual in the western Himalayas but exceeded the normal in Afghanistan, Baluchistan and the mountain ranges of the north-west frontier.

The snowline was at an elevation of about 4,000 feet in Chamba during the last week of the month.

Rainfall.

The rainfall data of India are now issued in a separate volume. The fifteenth volume, that of 1905, contains the whole rainfall data of 2,546 stations, which are there classified under their respective administrative divisions according to the following scheme:—

PROVINCE.	Number of stations
Burma	183
Assam	117
Bengal, Bihar, Chota Nagpur and Orissa	401
United Provinces of Agra and Oudh	275
Punjab	188
North-West Frontier Province	33
Bombay	284
Madras	414
Coorg	10
Central Provinces and Berar	148
Mysore	77
Baluchistan	55
Kashmir	38
Rajputana	156
Central India	77
Hyderabad (Deccan)	22
Travancore	54
Cochin	3
Pudukkottai	11

The information includes monthly statements of—

(*a*) the actual rainfall, day by day, of all the rainfall stations;

(*b*) the total rainfall of the month;

(*c*) the number of rainy days during the month;

(*d*) the average of normal rainfall of the month of all stations for which rainfall data of at least five years are available;

(*e*) the average or normal number of rainy days of the month for all stations for which rainfall data of five years or upwards are available;

(*f*) the accumulated rainfall (up to the date of each statement) throughout each of the seasons into which the year is divided.

Symons's rain-gauges are now used at all rain-gauge stations, with the exception of those in Mysore. The hour of measuring rainfall is 8 A.M. throughout India, and the amounts registered give the rainfall of the previous 24 hours, and hence generally of the previous civil day.

Table XXVII gives the departures of the monthly and annual rainfall in 1905 of 529 representative stations in India, including Baluchistan and Burma, as well as of 16 extra Indian stations.

The four tables (Tables XXVIII to XXXI) give summaries of the rainfall data of the year. In the first two tables (Tables XXVIII and XXIX) the summaries are drawn up in the form that was used for many years in the Annual Reports issued by the Department. In the two succeeding tables (Tables XXX and XXXI) the actual average rainfall data (derived from the returns of 2,546 rain-gauge stations in India) are given for the 57 meteorological districts into which the Empire is divided for the comparison of crops and rainfall for the four periods into which the year may be arranged. The four periods are as follows:—

1st.—From January 1st to February 28th, which forms the period of the cold-weather rains of upper India.

2nd.—From March 1st to May 31st, which includes the hot season, when rain occurs mainly in the coast districts, and in Assam during thunder-storms.

3rd.—From June 1st to September 30th, which forms the period of the south-west monsoon rains proper.

4th.—From October 1st to December 31st, which includes the period of the so-called north-east monsoon rains of the Peninsula, more especially of the Coromandel coast districts.

TABLE XXVII—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years.*

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.	TOTAL.
BALUCHISTAN.	Kalat	+1·84	—0·10	+0·74	—0·14	—0·26	—0·17	—0·48	—0·45	—0·04	—0·05	—0·34	+2·54	+3·09
	Pishin	+2·14	—0·14	+1·40	—0·62	—0·21	—0·03	—0·06	—0·16	—0·01	—0·05	—0·67	+3·81	+5·40
	Chaman	+2·08	—0·27	+0·28	—0·60	—0·08	—0·09	—0·11	0	0	—0·04	—0·56	+4·40	+5·01
	Quetta	+3·14	+1·37	+0·68	—0·67	—0·43	—0·18	—0·47	—0·51	—0·11	—0·08	—0·31	+2·03	+5·06
	Mach (Ry. Station)	+3·33	+0·95	+0·15	—0·29	—0·06	—0·56	—0·62	—1·15	—0·03	—0·34	—0·23	+1·26	+2·41

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd.

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
BALUCHISTAN—*contd.*	Beleli	+3·59	+2·41	+2·27	—0·57	+0·06	—0·14	+1·01	—0·40	—0·03	—0·06	—0·84	+2·01	+9·31
	Kuchelak	+1·93	—0·64	+1·85	—0·38	+0·85	—0·08	—0·13	—0·16	—0·12	—0·10	—0·81	+3·02	+5·23
	Fort Sandeman	+1·[illegible]1	—0·02	—0·07	—0·67	—0·27	—0·97	—0·73	—1·00	—0·02	+0·06	—0·24	+1·04	—1·78
	Bostan	+2·32	+1·35	+2·41	0	—0·01	—0·18	—0·06	—0·16	—0·03	—0·09	—0·68	+2·18	+7·05
	Yarookarez	+2·69	+0·97	+0·80	—0·07	—0·07	—0·04	+0·74	—0·15	0	—0·05	—0·48	+1·45	+5·79
	Syed Hamed	+2·37	—0·41	+1·45	—0·15	—0·03	—0·01	0	0	0	—0·07	—0·92	+3·33	+5·56
	Gulistan	+3·99	—0·60	+0·15	—0·11	—0·14	—0·04	—0·03	0	—0·04	—0·06	—0·85	+4·37	+6·64
	Killa Abdulla	+3·65	—0·15	+1·95	—0·50	—0·13	—0·03	+0·34	—0·02	—0·02	—0·10	—1·28	+4·45	+8·16
	Khanai	+2·33	+3·01	+2·92	—0·54	—0·04	—0·18	—0·17	—0·13	0	—0·07	—0·64	+2·20	+8·69
	Fuller's Camp	+2·18	—0·37	+1·53	—1·04	—0·24	—0·14	—0·29	—0·11	—0·06	—0·04	—0·86	+3·44	+4·00
	Kachh	+5·01	—0·17	+0·86	—0·89	—0·35	—0·26	+0·12	—0·15	—0·11	—0·07	—0·72	+1·96	+5·23
	Mudgorge	+3·52	+1·57	+0·13	—0·60	+0·47	—0·22	+0·08	—0·25	+0·25	+0·01	—0·70	+2·18	+6·44
	Mangi	+3·01	+0·46	+0·25	—0·48	+0·51	—0·64	+0·08	—0·25	+0·44	—0·06	—0·58	+2·17	+4·91
	Dirgi	+2·74	+0·38	+0·08	0	—0·18	—0·38	—0·33	—0·28	—0·30	—0·01	—0·63	+2·28	+3·37
	Khost	+0·96	—0·92	+0·13	+0·17	—0·24	—0·43	—1·16	—0·65	—0·20	—0·06	—0·96	+1·20	—2·16
	Shahrig	+4·37	0	—0·01	—0·20	—0·31	—0·68	—1·99	—1·98	—0·26	+0·04	—0·67	+1·14	—0·55
	Nasak	+2·88	+0·16	—0·33	—0·20	—0·[illegible]5	—1·12	—0·16	—2·88	+0·19	—0·08	—0·71	+0·[illegible]4	—1·76
	Harnai	+2·86	+0·19	0·25	—0·16	—0·17	—1·10	—1·57	—3·04	—0·60	—0·07	—0·52	+0·92	—3·51
	Sunari	+2·84	+0·52	—0·23	—0·28	—0·18	—0·88	—2·50	—3·24	—0·61	+0·01	—0·50	+0·92	—4·13
	Spintangi	+3·18	—0·08	+0·03	—0·13	—0·19	—0·72	—1·26	—2·68	—0·24	0	—0·33	—0·74	—3·16
	Mushkaf	+2·57	+0·18	—0·27	—0·03	—0·05	—0·17	—0·60	—1·15	—0·10	0	—0·07	+0·31	+0·62
	Baber Kach	+4·04	+0·19	—0·14	—0·16	—0·07	—0·31	—0·41	—1·60	—0·31	—0·03	—0·27	+0·39	+1·32
	Loralai (Hospital).	+1·73	+0·50	—0·80	—0·42	—0·59	+0·26	—1·12	—1·18	+0·77	—0·03	—0·30	+0·35	—0·63
	Nari	+2·72	—0·03	—0·30	—0·08	—0·06	—0·25	—1·26	—1·19	—0·23	—0·01	—0·17	—0·01	—0·87
	Sibi	+2·53	+0·43	—0·09	—0·11	+0·01	—0·22	—0·39	—1·33	—0·20	0	0	+0·02	+0·48
	Kolepur	+4·13	+3·27	+4·32	—0·54	—0·17	—0·09	+0·40	—0·49	—0·08	—0·03	—0·31	+2·17	+12·58
	Hirok	+3·71	+1·65	+1·11	—0·52	—0·10	—0·36	—0·53	—0·94	—0·21	—0·07	—0·97	+1·76	+4·53
	Mitri	+2·54	+0·31	—0·22	—0·29	—0·01	—0·22	—0·37	—0·73	—0·06	—0·01	—0·15	—0·07	+0·72
	Lindsay	+1·71	+0·33	—0·17	—0·07	—0·13	—0·16	—0·66	—0·86	—0·22	0	—0·12	—0·03	—0·38
	Bellput	+1·17	+0·59	0·03	—0·07	+0·12	—0·17	+0·22	—1·01	—0·08	0	—0·15	—0·27	+0·32
	Nuttal	+0·03	—0·07	—0·14	—0·10	—0·22	—0·09	—1·07	—0·86	—0·15	0	—0·35	—0·40	—3·42
	Temple Dera	+0·29	+0·53	+0·06	+0·13	—0·08	—0·18	—0·86	—1·00	—0·04	0	—0·18	—0·28	—1·61
	Jhatput	+0·29	+0·05	—0·07	—0·01	—0·14	—0·17	—0·37	—0·85	—0·08	0	—0·18	—0·14	—1·67

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Baluchistan—*concld.*	Sangal	+3·69	−0·27	+0·90	−0·48	−0·10	−0·01	−0·13	−0·03	0	−0·08	−0·51	+3·39	+6·37
	Shulabagh	+1·50	−0·97	+1·26	−0·48	−0·09	−0·02	−0·40	−0·02	0	+0·05	−0·57	+6·25	+6·51
	Panir	+3·68	+0·46	−0·27	+0·06	−0·06	−0·08	−0·61	−0·65	−0·03	−0·01	−0·09	+0·50	+2·90
Punjab and North-West Frontier Province.	Abbottabad	+6·22	+0·18	+3·32	−2·18	−1·01	−2·75	+4·66	+0·91	+3·98	+0·21	−0·81	+4·33	+17·06
	Cherat	?	?	+2·86	−1·68	−0·34	−0·28	−1·44	−3·26	−0·08	+0·20	−0·12	+4·76	?
	Murree(Obsy.)	+6·17	+3·64	+1·14	−0·81	−1·34	−2·14	−1·86	+0·71	+7·23	−1·38	−1·27	+5·21	+15·30
	Poo	−0·94	−2·27	+2·78	−1·31	+0·95	+0·52	−0·60	−0·59	+0·13	−0·49	−0·43	+0·24	−2·01
	Dharamsala	+3·87	+2·89	+4·18	−1·95	?	?	−19·55	−9·73	−6·42	−1·24	−0·35	−0·55	?
	Kailang	−1·18	−2·23	+3·01	−1·28	+2·60	+0·36	+1·06	−1·43	+2·65	−0·46	−1·51	+0·10	+2·69
	Kilba	−2·11	−0·18	+4·03	−1·54	−0·98	−0·45	−1·85	−3·07	−0·77	−1·04	−1·45	+0·04	−9·37
	Simla (Obsy.)	−0·07	+1·60	+1·13	−1·39	−3·12	−6·75	−1·39	−6·27	+0·39	−1·19	−0·39	+0·58	−16·87
	Peshawar (Obsy.)	+0·06	+0·60	+3·01	−1·10	+1·17	−0·27	−1·55	−2·02	+0·85	−0·18	−0·58	+1·99	+1·98
	Kohat	+0·87	+1·28	+1·62	−1·16	−0·33	−0·77	−2·90	−2·77	−1·01	−0·31	−0·63	+2·18	−3·93
	Bannu	+1·63	+0·11	+1·48	−0·87	−0·39	−0·35	−0·67	−2·21	+0·97	−0·12	−0·27	+1·18	+0·49
	Dera Ismail Khan.	+0·53	+0·30	+0·08	−0·07	−0·08	−0·54	+0·35	−1·42	−0·35	−0·10	−0·15	+0·71	−1·34
	Dera Ghazi Khan.	+0·83	+0·54	−0·41	−0·32	−0·25	−0·41	−1·34	−1·23	−0·09	−0·05	−0·11	+0·53	−2·31
	Muzaffarghar	+0·64	−0·08	−0·30	−0·31	−0·30	−0·35	−0·89	−1·42	−0·34	−0·08	−0·08	+0·49	−3·02
	Multan(Obsy.)	+0·56	+0·14	−0·32	−0·27	−0·29	−0·23	−0·94	−1·66	+0·30	−0·07	−0·06	+0·63	−2·21
	Jhang	+0·39	+0·42	−0·13	−0·26	−0·49	−0·58	−2·87	−2·18	−0·03	−0·10	−0·06	+0·22	−5·67
	Montgomery	+0·46	+0·07	−0·04	−0·21	−0·35	−0·58	−0·20	−2·32	+3·81	−0·12	−0·05	+0·14	+0·61
	Shahpur	+0·29	+0·31	−0·74	−0·62	−0·49	−0·59	−1·45	−2·27	+2·03	−0·15	−0·22	+0·42	−3·48
	Rawalpindi	+1·55	+0·58	+0·12	−1·34	−0·70	−1·44	−2·64	−3·96	+1·08	−0·38	−0·64	+1·91	−5·86
	Jhelum	+1·09	−0·51	−0·05	−1·00	−0·50	−1·49	−2·47	−2·26	+2·56	−0·45	−0·24	+0·58	−4·74
	Gujrat	+3·00	+0·07	−0·35	−0·76	−0·52	−1·69	−1·62	−4·39	+3·95	−0·42	−0·22	+0·54	−2·41
	Sailkot (Obsy.)	+4·09	+0·81	+0·35	−1·15	−0·54	−2·19	−3·19	−6·32	+4·18	−0·47	−0·26	+0·86	−3·89
	Gujranwala	+2·14	−0·06	−0·32	−0·70	−0·48	−0·69	−3·43	−4·38	+12·37	−0·39	−0·20	+0·26	+4·12
	Gurdaspur	+1·24	−0·66	+1·48	−0·46	−0·67	−3·57	−1·31	−6·68	+1·48	−0·49	−0·14	−0·47	−10·25
	Lahore	+0·99	−0·01	−0·46	−0·51	−0·77	−1·30	−3·31	−4·88	+7·09	−0·10	−0·11	+0·09	−3·28
	Amritsar	+1·65	−0·02	−0·37	−0·55	−0·80	−1·75	−2·90	−5·61	+6·33	−0·40	−0·18	−0·16	−4·76
	Ferozepore	+1·45	+0·23	+0·22	−0·51	−0·07	−1·48	−1·87	−4·86	+3·24	−0·51	−0·05	−0·20	−4·41
	Jullundar	+0·27	+0·89	0	−0·58	−0·73	−2·59	−4·76	−5·56	+0·10	−0·38	−0·09	−0·27	−13·70
	Hoshiarpur	+0·65	+1·27	+0·61	−0·61	−0·75	−2·80	−3·77	−4·78	−1·10	−0·33	−0·13	−0·90	−12·64
	Ludhiana	+0·75	+0·57	+0·20	−0·65	−0·85	−2·06	−4·02	−3·31	−1·55	−0·66	−0·06	−0·46	−12·10
	Ambala	+0·94	+1·17	+0·69	−0·41	−0·84	−3·11	−6·62	−3·00	+0·39	−0·44	−0·24	−0·27	−11·74

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Punjab and N.-W. F. Province—*concld.*	Sirsa	+1·04	—0·16	+0·26	—0·34	—0·41	—2·07	—1·00	—3·64	+2·79	—0·23	—0·02	+0·15	— 3·63
	Hissar	+0·55	+1·68	—0·25	—0·22	—0·41	—1·33	+0·47	—4·10	+1·80	—0·27	—0·07	—0·26	— 2·41
	Rohtak	+0·80	—0·20	—0·11	—0·14	—0·34	—2·49	—3·50	—5·02	—2·05	—0·34	—0·03	—0·51	—13·93
	Delhi (Obsy.)	+0·51	—0·01	—0·40	—0·28	—0·65	—2·25	—3·05	—7·44	—1·19	—0·39	—0·10	—0·43	—15·68
	Gurgaon	+0·25	—0·05	—0·11	+0·39	—0·60	—2·41	—1·64	—5·85	—1·09	—0·34	—0·04	—0·32	—11·81
	Karnal	+1·42	—0·09	+0·27	+0·13	—0·47	—1·85	—7·17	—6·46	+6·69	—0·37	—0·12	—0·11	— 8·13
Sind.	Kurrachee	+0·84	+1·51	—0·16	—0·13	—0·03	—0·47	—2·93	—1·73	—0·64	—0·04	—0·16	+0·01	— 3·93
	Sehwan	+0·67	+0·60	—0·18	+0·41	—0·16	—0·28	—1·73	—2·38	—0·55	—0·03	—0·12	+0·25	— 3·50
	Tatta	—0·15	+1·20	—0·11	—0·28	—0·01	—0·88	—2·34	—1·79	—0·72	0	—0·19	—0·09	— 5·36
	Hyderabad (Obsy).	+0·44	+0·71	—0·13	+0·22	—0·12	—0·43	—2·28	—3·08	—0·32	0	—0·10	+0·05	— 5·04
	Umarkot	—0·02	+0·02	—0·11	—0·08	—0·10	—0·78	—1·72	—3·36	—0·55	—0·14	—0·05	+0·05	— 6·84
	Shikarpur	+0·18	+0·03	—0·35	—0·19	—0·09	—0·10	—1·00	—1·55	—0·18	0	—0·12	—0·03	— 3·40
	Rohri	+0·10	—0·06	—0·26	—0·14	—0·15	—0·22	—1·08	—1·31	—0·24	—0·01	—0·11	—0·14	— 3·62
	Jacobabad	+0·59	+0·27	—0·14	—0·10	—0·15	—0·10	—0·75	—1·25	—0·19	—0·01	—0·12	+0·03	— 1·92
Cutch.	Bhuj	+0·10	—0·11	—0·07	—0·06	—0·13	—2·06	—1·12	—2·49	—1·14	—0·64	—0·08	—0·06	— 7·86
	Rhahpur	—0·06	—0·08	—0·05	—0·08	—0·15	—1·13	+2·64	—3·78	—2·37	—0·46	—0·16	—0·04	— 5·72
	Nagar	—0·14	—0·09	—0·04	—0·04	—0·40	—1·87	+5·28	—5·28	—1·36	—0·24	—0·05	—0·03	— 4·26
Rajputana.	Jaisalmer	+0·01	+0·21	—0·08	—0·12	—0·21	—0·77	—2·28	—2·13	—0·60	0	—0·04	+0·14	— 3·21
	Phalodi	+0·04	+0·01	—0·09	—0·02	—0·27	—0·46	—3·17	—2·48	+1·00	0	0	—0·11	— 5·55
	Bikaner	+0·37	—0·05	—0·09	—0·05	—0·84	—1·41	—2·89	—3·14	+0·60	—0·09	—0·06	—0·13	— 7·78
	Nagar	—0·02	+0·03	—0·03	—0·01	—0·57	—1·97	—3·66	—3·60	+0·06	—0·05	—0·07	—0·22	—10·11
	Didwana	—0·26	+0·55	—0·06	—0·06	—0·49	—1·33	—3·59	—5·42	+0·29	—0·13	—0·13	—0·19	—10·82
	Jhunjhunu	—0·35	+0·67	—0·10	+0·35	—0·51	—2·12	—1·26	—5·08	—0·65	—0·14	—0·07	—0·23	— 9·49
	Khetri	—0·48	+0·07	—0·11	—0·15	—0·48	—1·62	—6·83	—6·89	—1·58	—0·22	—0·15	—0·25	—18·69
	Sikar	—0·37	+0·50	+0·02	—0·10	—0·67	—2·24	—1·47	—5·76	0	—0·20	—0·10	—0·15	—10·54
	Sri Madhopur	—0·21	+0·25	+0·39	+0·05	—0·63	—2·27	—8·31	—6·98	+1·56	—0·05	—0·18	—0·49	—16·87
	Alwar	—0·04	+0·71	+0·42	—0·02	—0·90	—3·31	—6·03	—7·28	—2·42	—0·72	—0·17	—0·37	—20·13
	Bharatpur	+0·33	+0·90	+0·04	—0·10	—0·59	—2·02	—3·72	—7·74	—1·57	—0·35	—0·05	—0·18	—15·05
	Bandikui	—0·40	+0·19	—0·30	—0·09	—0·34	—1·91	—3·72	—5·76	—1·59	—0·09	—0·16	—0·40	—14·57
	Jaipur	—0·26	+0·08	—0·09	+0·23	—0·62	—2·59	—8·50	—6·58	—1·20	—0·21	—0·16	—0·35	—20·25
	Sambhar	—0·14	+0·27	+0·16	+0·59	—0·91	—1·05	—5·40	—5·79	—1·95	—0·29	—0·22	—0·40	—15·13
	Karauli	—0·06	+0·18	—0·15	—0·09	—0·62	—3·37	—6·63	—8·32	—2·37	—0·12	—0·09	—0·34	—21·98
	Lalsot	—0·14	+0·38	+0·02	—0·06	—0·25	—2·98	—5·65	—8·79	—1·53	—0·15	—0·10	—0·17	—19·42
	Tonk	—0·03	—0·12	—0·15	—0·08	+0·04	—2·45	—6·81	—8·77	—0·15	—0·47	—0·07	—0·24	—19·30

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd.

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
RAJPUTANA—*concld.*	Siwai Madhopur.	—0·12	+0·17	—0·20	—0·10	—0·29	—3·83	—11·02	— 9·27	+0·09	—0·12	—0·10	—0·18	—24·97
	Deoli	—0·15	+0·15	—0·03	—0·16	—0·74	—3·76	—7·71	— 9·43	—2·33	—0·39	—0·12	—0·19	—24·86
	Kotah	—0·23	+0·02	—0·01	+0·33	—0·78	—3·84	—7·29	— 8·71	—1·73	—0·32	—0·15	—0·31	—23·02
	Jhalrapatan	—0·01	—0·16	—0·11	+0·23	+0·05	—3·21	—8·62	— 7·28	—1·01	—0·51	—0·23	—0·47	—21·31
	Ajmer	—0·16	+0·47	—0·26	—0·08	—0·59	—2·00	—5·20	— 7·07	+0·69	—0·29	—0·20	—0·29	—14·98
	Nasirabad	—0·17	—0·08	—0·11	—0·06	—0·50	—1·53	—6·30	— 5·79	+0·20	—0·22	—0·18	—0·31	—15·05
	Malpura	—0·21	+0·18	—0·13	—0·05	—0·16	—1·23	—4·40	— 7·42	+1·80	—0·02	—0·02	—0·26	—11·92
	Beawar	—0·15	+0·36	—0·14	—0·12	—0·33	—2·30	—4·57	— 5·78	+1·90	—0·17	—0·18	—0·25	—11·73
	Jodhpur	—0·13	+0·20	—0·03	+0·27	—0·45	—0·76	—2·68	— 4·90	—1·16	—0·19	—0·10	—0·14	—10·07
CENTRAL INDIA.	Pachpadra	—0·31	+0·15	—0·09	—0·03	—0·67	—1·24	—3·79	— 3·43	+1·66	—0·06	—0·09	—0·12	— 8·02
	Jasol	0	+0·19	—0·08	—0·05	—0·52	—1·48	—3·40	— 3·14	+4·25	—0·01	—0·18	—0·08	— 4·50
	Barmer	0	—0·09	—0·07	—0·06	—0·43	—1·54	—0·99	— 2·85	—0·85	—0·03	—0·11	—0·05	— 7·07
	Pali	—0·12	+0·27	—0·09	—0·04	—0·32	—1·87	—1·66	— 4·80	+0·05	—0·08	—0·25	—0·10	—11·01
	Shahpura	—0·10	+0·11	—0·07	—0·06	—0·52	—3·24	—3·93	— 5·67	—2·80	—0·42	—0·10	—0·24	—17·04
	Erinpura	—0·17	—0·21	—0·10	—0·05	—0·42	—1·84	—2·25	— 3·32	+3·25	—0·34	—0·19	—0·16	— 5·80
	Sirohi	—0·15	—0·14	—0·08	—0·15	—0·75	—3·39	—2·13	— 4·52	+1·26	—0·07	—0·22	—0·13	—10·47
	Mount Abu	—0·27	—0·31	—0·10	—0·08	—0·97	—5·38	—8·56	—20·78	—4·83	—1·46	—0·28	—0·22	—43·24
	Kotra	—0·11	—0·19	+0·11	—0·04	—0·18	—2·99	—0·15	— 9·43	+2·12	—0·54	—0·18	—0·15	—11·73
	Udaipur	—0·08	—0·15	+0·08	—0·11	—0·50	—1·95	+3·20	— 6·91	—1·23	—0·37	—0·18	—0·17	— 8·37
	Partabgarh	—0·18	—0·10	+0·38	—0·03	+0·01	—4·29	+0·17	—10·06	—3·09	—0·64	—0·25	—0·26	—18·34
	Kherwara	—0·09	—0·16	+0·26	—0·02	—0·36	—3·92	+4·40	— 7·87	—0·80	—0·49	—0·15	—0·11	— 9·31
	Banswara	—0·26	—0·15	+0·05	—0·01	—0·28	—4·73	+0·22	—10·36	—2·03	—0·67	—0·22	—0·36	—18·80
	Neemuch (Obsy.)	—0·19	—0·15	+0·34	—0·13	—0·35	—4·54	—5·53	— 4·79	+1·21	—0·64	—0·17	—0·27	—15·21
	Sirdarpore	—0·16	—0·14	—0·02	—0·02	—0·17	—4·13	+5·96	— 3·97	—4·38	—1·00	—0·20	—0·14	— 8·37
	Agar	—0·25	—0·22	—0·03	—0·06	—0·30	—5·42	—2·32	— 7·49	—0·80	—0·61	—0·17	—0·38	—18·05
	Rutlam	—0·17	—0·18	+0·01	—0·03	—0·38	—3·76	+4·59	— 7·87	—0·98	—0·87	—0·24	—0·24	—10·12
	Indore	—0·25	—0·23	—0·05	—0·17	—0·09	—3·81	+7·88	— 1·95	—4·14	—1·09	—0·24	—0·18	— 4·32
	Bhopal (Sehore)	—0·45	+0·16	—0·14	—0·05	—0·19	—4·55	—2·18	— 5·50	+0·82	—1·15	—0·38	—0·43	—14·04
	Goona	+0·19	—0·19	—0·14	—0·12	—0·40	—6·49	—7·17	— 7·95	+1·76	—0·43	—0·34	—0·32	—21·60
	Nowgong	+0·05	—0·33	+0·03	—0·10	—0·14	—6·58	—8·90	— 7·57	—3·23	—1·04	—0·18	—0·12	—28·11
	Sutna	+0·84	—0·34	+0·59	+0·24	—0·36	—5·82	—7·18	— 0·08	+0·63	—2·04	—0·26	—0·36	—14·14
	Nagode	+0·05	—0·38	+0·62	+0·17	—0·42	—4·61	—8·92	— 6·24	—2·54	—1·98	—0·17	—0·45	—24·87
	Maihar	—0·05	—0·46	+0·13	+0·40	—0·40	—6·63	—2·85	— 3·76	+0·08	—1·99	—0·44	—0·20	—16·17
	Rewah	+0·58	—0·58	+0·68	+0·01	+0·72	—8·27	—7·01	+ 0·43	+0·82	—2·22	—0·29	—0·38	—15·51

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May	June.	July.	August.	September.	October.	November.	December.	Total.
Central India—*concld.*	Ramnagar	+0·14	—0·53	+0·71	+0·51	+0·02	—8·20	— 1·36	— 5·20	+0·77	—2·08	—0·30	—0·21	—15·73
	Sihawal(Bardi)	+0·33	—0·06	+1·05	—0·08	+0·16	—5·01	+ 7·07	+ 2·63	—0·99	—1·97	—0·48	—0·49	+ 2·16
	Tyonthar	+0·06	—0·14	+1·24	+0·28	—0·24	—5·61	+ 1·30	+ 2·85	+1·72	—2·20	—0·17	—0·49	— 1·40
	Sohagpu	—0·26	—0·49	—0·13	+0·36	+0·29	—7·10	— 2·30	— 5·19	+4·49	—2·25	—0·76	—0·46	—13·80
United Provinces.	Chakrata	+6·64	+5·91	+3·14	—0·57	—0·41	—6·64	— 5·22	— 2·62	—0·08	—0·76	—0·09	+0·03	+ 0·23
	Mussooree	+4·54	+7·30	+0·78	—0·16	—1·20	—6·40	—14·48	—19·64	—4·74	—0·95	—0·42	—0·04	—35·41
	Srinagar	+2·29	—0·80	+2·29	+0·11	—1·14	—0·90	— 4·36	— 2·75	—1·48	—0·72	—0·25	+0·06	— 7·65
	Pauri	+2·15	+0·07	+1·42	—0·60	—1·87	—3·43	— 5·81	— 4·30	—1·48	—0·78	—0·10	+0·30	—14·43
	Ranikhet	+2·42	+1·70	+0·90	—0·62	—0·65	—2·37	— 1·61	— 3·24	—4·56	—1·27	—0·28	+0·31	— 9·27
	Almorah	+2·80	0	+1·20	+0·15	+1·34	—2·97	— 1·14	— 1·08	—1·06	—1·08	—0·21	+0·54	— 1·51
	Pithoragarh	+1·20	+0·86	+0·56	—1·04	+1·59	—0·45	— 5·54	— 2·15	—3·26	—1·38	—0·17	—0·34	—11·12
	Naini Tal	+4·47	+1·45	+1·12	—1·55	—0·82	—8·59	+ 3·43	— 2·97	—4·56	—2·04	—0·05	—0·44	—10·55
	Dehra Dun	+1·11	+1·78	+0·78	—0·45	+0·84	—3·85	—14·21	—10·66	+0·67	—0·83	—0·16	+0·32	—24·66
	Saharanpur	+1·17	+1·02	+0·05	+0·32	—0·59	—2·94	— 9·39	— 3·94	—0·32	—0·45	—0·22	+0·29	—15·00
	Roorkee	+0·95	+0·58	+0·35	—0·35	—0·67	—3·07	— 9·03	— 7·41	—1·94	—0·58	—0·20	0	—21·37
	Muzaffarnagar	+0·55	+0·62	—0·28	—0·34	—0·72	—1·98	— 4·17	— 6·71	—1·05	—0·34	—0·11	—0·31	—14·84
	Bijnor	+1·07	—0·36	+1·10	—0·46	—0·06	—2·73	— 1·27	5·28	—2·83	—0·45	—0·13	—0·18	—11·58
	Meerut	+1·02	+0·36	—0·40	—0·27	—0·52	—1·21	— 2·87	— 4·79	—2·17	—0·43	—0·08	—0·20	—11·02
	Moradabad	+0·45	+0·56	+0·41	—0·16	—0·46	—3·85	— 9·51	— 3·09	—3·36	—0·81	—0·12	—0·36	—20·30
	Rudarpur	+1·67	+0·66	+0·63	—0·05	—0·46	—5·64	— 2·09	— 4·11	—3·06	—0·98	—0·08	—0·25	—13·76
	Pilibhit	+0·40	+0·56	+0·03	+0·09	—0·94	—5·60	— 7·05	— 6·52	—6·67	—1·08	—0·09	—0·33	—27·20
	Bulandshahr	+0·66	—0·03	+0·04	—0·27	—0·48	—2·66	— 4·23	— 6·76	—3·12	—0·42	—0·07	—0·44	—17·78
	Bareilly	+0·71	+0·86	+0·04	0	—0·20	—5·37	— 6·36	— 5·17	—2·17	—1·16	—0·10	—0·19	—19·11
	Budaun	+0·24	+0·82	+0·46	—0·16	+0·56	—3·01	— 4·51	— 5·01	—1·62	—0·84	—0·10	—0·01	—13·18
	Shajahanpur	+0·71	+0·65	+0·14	—0·16	—0·37	—5·09	— 4·60	— 5·72	—1·70	—1·14	—0·13	+0·03	—17·38
	Aligarh	+0·56	+0·22	+1·10	—0·12	—0·45	—3·06	— 4·27	— 5·66	—2·03	—0·44	—0·04	—0·27	—14·46
	Muttra	+0·94	+0·31	—0·23	—0·05	—0·52	—2·39	— 6·10	— 7·13	—2·90	—0·35	—0·06	—0·27	—18·78
	Agra	+0·35	+0·64	+0·26	—0.16	—0·61	—1·94	— 5·67	— 6·60	—1·37	—0·39	—0·06	—0·26	—15·81
	Etah	—0·19	+0·80	—0·02	—0·09	—0·44	—2·94	— 5·03	— 6·76	—1·16	—0·76	—0·05	—0·29	—16·93
	Mainpuri	+0·01	+1·06	+0·45	+0·04	—0·43	—2·88	— 7·44	— 6·71	+0·69	—0·78	—0·10	—0·37	—16·46
	Farrukhabad	+0·10	+0·54	+0·01	—0·09	—0·33	—3·62	— 2·94	— 6·06	—1·01	—0·96	—0·09	—0·27	—14·72
	Etawah	+0·12	+0·71	—0·37	—0·06	+0·37	—2·69	— 3·17	— 4·91	—1·25	—0·90	—0·08	—0·18	—12·41
	Cawnpore	+0·06	+0·61	+0·10	+0·02	—0·18	—3·59	— 2·90	— 2·97	—0·10	—1·18	—0·13	—0·22	—10·48
	Fatehpur	—0·29	+0·27	+0·40	—0·12	—0·34	—4·01	— 2·18	— 3·80	—0·73	—1·53	—0·17	—0·28	—12·78

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.	Total.
United Provinces.—*concld.*	Jalaun (Orai)	+0·05	+0·24	+0·35	−0·01	−0·14	−3·20	−7·03	−8·11	−2·80	−0·63	−0·05	−0·24	−21·57
	Hamirpur	−0·20	+0·09	+0·60	−0·09	−0·21	−4·01	−9·15	−4·48	−3·87	−1·05	−0·17	−0·34	−22·88
	Banda	−0·27	−0·23	+0·27	−0·03	+0·13	−3·83	−5·42	−5·10	−3·06	−1·40	−0·36	−0·28	−19·57
	Allahabad	−0·15	−0·28	+0·19	+0·04	−0·29	−4·50	−0·42	−0·87	−1·71	−2·40	−0·25	−0·23	−10·87
	Basti	+0·04	+0·38	+0·17	−0·09	+0·16	−5·41	+3·92	+9·03	−0·97	−2·74	−0·05	+0·49	+4·93
	Gorakhpur	−0·24	+0·85	+0·21	−0·09	−0·14	−6·87	−0·15	+14·70	−1·95	−1·83	−0·17	−0·13	+4·19
	Azamgarh	−0·20	+0·41	+0·10	−0·05	+0·22	−5·31	+2·66	+6·27	−0·17	−1·93	−0·10	−0·11	+1·79
	Jaunpur	−0·23	+0·42	+0·81	−0·12	+0·89	−5·13	−1·61	+3·29	−0·20	−3·13	−0·14	−0·14	−5·29
	Benares	−0·01	−0·16	+0·42	+0·11	+0·56	−4·91	+0·05	+5·44	+7·51	−2·18	−0·17	−0·17	+6·49
	Mirzapur	−0·03	−0·16	+0·54	−0·01	−0·51	−4·66	+1·88	−4·21	+0·64	−2·35	−0·27	−0·18	−9·32
	Ballia	−0·28	−0·23	+1·14	−0·12	−0·01	−5·62	+7·10	+2·44	+5·10	−3·00	−0·17	−0·01	+6·34
	Dudhi	+1·41	−0·22	+1·13	+0·03	−0·47	−4·88	−1·72	−4·68	+6·93	−3·06	−0·26	−0·30	−6·09
	Robertsganj	+0·50	+0·58	+0·86	−0·12	−0·29	−4·88	+7·46	−2·45	+3·63	−2·77	−0·37	−0·27	+1·88
	Jhansi	−0·07	−0·02	−0·09	−0·11	−0·08	−4·25	−6·51	−7·64	−0·07	−0·65	−0·07	−0·27	−19·83
	Lalitpur	+0·16	−0·07	−0·29	−0·09	−0·11	−5·31	−5·76	−7·97	−1·32	−0·92	−0·17	−0·34	−22·19
Oudh.	Kheri	+0·79	+1·01	+0·67	+0·45	−0·82	−6·00	−2·62	+0·98	−3·91	−1·33	−0·16	−0·20	−11·14
	Sitapur	0	+0·61	+0·27	−0·27	−0·02	−4·81	−0·87	−1·47	−0·86	−1·30	−0·15	−0·11	−8·98
	Bahraich	−0·20	+1·55	+0·75	−0·04	−0·52	−4·43	−3·69	+9·10	−3·55	−1·64	−0·12	−0·04	−2·83
	Gonda	+0·14	+0·71	+1·52	−0·07	+0·02	−5·58	+3·46	+18·71	−0·86	−1·49	−0·10	−0·16	+16·30
	Hardoi	−0·21	+0·95	+0·46	−0·07	−0·38	−3·95	−2·21	−4·55	+1·77	−1·15	−0·12	−0·21	−9·75
	Nawabganj (Bara Banki)	−0·37	+2·61	+0·91	−0·10	−0·45	−4·96	−3·18	+0·60	−3·27	−1·06	−0·07	−0·46	−3·80
	Lucknow	−0·59	+1·06	+0·46	+0·05	−0·75	−5·16	−0·81	+1·67	−3·24	−1·33	−0·08	−0·41	−9·13
	Unao	−0·40	+1·10	−0·03	−0·06	−0·21	−4·63	−3·80	−5·47	−3·53	−1·32	−0·09	−0·37	−18·81
	Fyzabad	−0·37	+0·08	+0·34	−0·02	+0·08	−5·26	+2·31	+5·88	−0·06	−1·94	−0·08	−0·23	+0·73
	Sultanpur	−0·14	+1·32	+0·66	−0·11	+0·88	−5·64	+4·36	−0·59	−3·09	−2·18	−0·15	−0·19	−4·87
	Rae Bareli	−0·31	+0·18	+0·22	−0·09	−0·16	−5·13	−0·97	−5·12	−2·29	−1·34	−0·12	−0·23	−15·36
	Partabgarh	−0·17	+0·65	+0·50	+0·12	−0·41	−4·70	+4·56	−1·98	−2·45	−2·07	−0·21	−0·29	−6·45
Bengal.	Motihari	−0·25	+0·78	+0·15	−0·34	+1·55	−4·73	+8·78	+15·49	−0·86	−3·12	−0·12	−0·13	+17·20
	Darbhanga	−0·47	+0·42	+0·97	+0·04	+1·45	−6·71	+8·49	+15·25	+6·81	−2·56	−0·07	−0·11	+23·51
	Siwan	−0·22	+0·37	+0·92	+0·50	+0·58	−6·65	+2·48	+14·72	−0·55	−2·04	−0·17	−0·11	+9·83
	Buxar	−0·39	−0·13	+1·37	+0·36	−0·58	−5·11	+1·85	−0·86	+5·21	−2·37	−0·38	−0·11	−1·14
	Chapra	−0·44	−0·12	+0·57	+0·61	+1·21	−5·45	−1·19	+8·03	+2·18	−2·07	−0·25	−0·05	+3·03
	Arrah	−0·58	−0·44	+1·29	0	−0·23	−6·45	−4·61	+1·38	+5·08	−2·43	−0·21	−0·09	−6·29
	Patna (Bankipore).	−0·49	−0·29	+2·49	+0·15	−0·35	−6·07	+2·06	+18·50	+4·45	−2·67	−0·20	+0·05	+17·03

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd.

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
BENGAL—*contd.*	Muzaffarpur	+0·05	+0·38	+0·82	−0·07	+1·18	−5·67	+ 0·10	+20·06	+ 2·52	−2·92	−0·12	−0·07	+16·26
	Barh	−0·34	+0·68	+1·30	+0·03	−0·02	−5·22	+ 2·70	+ 8·24	+11·84	−1·78	−0·18	−0·09	+17·16
	Sasaram	+0·12	+0·48	+0·42	+0·07	+0·17	−5·42	− 1·71	+ 2·44	+19·51	−2·26	−0·27	−0·20	+13·35
	Gaya	+0·60	+0·77	+0·87	+0·47	−0·60	−6·37	+ 0·35	− 1·05	+ 6·88	−2·27	−0·27	−0·12	− 0·75
	Jamui	−0·19	+1·34	+1·71	+0·36	+1·13	−5·96	− 1·53	− 1·36	+ 4·63	−1·44	−0·12	−0·07	− 1·50
	Madhipura	−0·44	+0·21	+0·69	−0·21	+4·51	−5·12	+ 3·55	+ 5·63	+10·12	−3·14	−0·06	−0·05	+15·69
	Monghyr	+0·51	+0·61	+1·52	+0·06	+5·62	−5·78	+ 6·51	+ 5·04	+ 4·74	−3·45	−0·20	−0·03	+15·15
	Bhagalpur	+0·16	+1·04	+1·12	−0·36	+1·78	−7·10	+ 9·49	+ 1·69	+ 1·91	−3·54	−0·17	−0·02	+ 6·00
	Godda	+0·71	+2·31	+2·42	−0·27	−1·43	−4·01	+14·19	+ 5·29	+ 5·54	−2·54	−0·27	−0·03	+21·91
	Palamau	+1·26	+0·40	+1·16	+0·02	−0·84	−5·62	+ 0·87	− 1·28	+ 9·85	2·21	−0·35	−0·18	+ 3·08
	Hazaribagh	+0·81	+0·58	+5·78	+1·70	−0·91	−8·76	+ 5·24	− 5·53	+ 6·17	−2·98	−0·30	−0·18	+ 1·62
	Ranchi	+1·78	+0·94	−0·53	+0·81	+1·35	−7·11	+ 3·15	− 1·97	+ 2·70	−2·73	−0·31	+0·12	− 1·80
	Lohardaga	+2·37	+0·53	+0·50	+0·55	−0·64	−7·99	− 1·03	− 3·48	+ 3·11	−1·26	−0·46	−0·22	− 8·02
	Naya Dumka	+0·16	+0·93	+2·68	−0·16	+0·78	−7·90	+ 2·23	+ 4·12	− 0·35	−2·56	−0·31	−0·10	− 0·48
	Gobindpur	+0·17	+2·33	+3·77	+0·57	+1·14	−5·19	+ 1·64	− 3·60	+ 6·50	+0·04	− 0·22	− 0·07	+ 7·08
	Purulia	+1·98	+1·48	+0·36	+0·50	−1·13	−8·07	+13·10	− 3·65	+ 1·61	−3·13	−0·24	+0·07	+ 2·88
	Sirguja	+0·52	−0·49	−0·25	+0·96	+1·75	−7·42	+ 3·36	−10·26	+10·69	−2·30	−0·55	+0·03	− 3·96
	Jushpur	+1·86	−0·12	+0·43	+0·33	+1·10	−8·00	+ 1·67	− 6·59	+ 2·18	−2·73	−0·41	−0·35	−10·63
	Gangpur	+1·50	−0·25	−0·23	+0·87	+0·09	−8·49	− 6·15	+ 0·80	+19·84	−2·33	−0·69	−0·40	+ 4·56
	Chaibassa	+1·15	+2·34	+1·04	+1·08	−0·58	−5·33	+ 6·85	− 8·39	+ 5·46	−2·05	−0·40	−0·26	+ 0·91
	Barreepudda	+0·64	−0·34	+1·35	+1·75	−0·61	−6·68	+ 9·08	+ 4·23	− 1·08	−2·95	−0·81	−0·14	+ 4·44
	Keonjhar	+3·54	+0·84	+2·82	+2·05	+2·18	−2·36	+ 0·02	− 3·53	+ 4·43	−2·59	−0·83	−0·28	+ 6·29
	Jellasore	+0·39	+1·62	+2·54	+1·03	−1·45	−3·57	+ 5·20	− 4·63	− 1·58	−2·60	−0·65	−0·13	− 3·83
	Balasore	+0·05	− 0·49	+1·61	+1·75	−2·66	−7·05	+ 4·29	− 9·02	+ 0·57	− 2·79	−1·18	−0·19	−15·11
	Bhadrak	+2·11	−0·62	+2·82	+0·80	−2·90	−4·89	− 4·05	− 8·23	− 0·17	−1·80	−1·17	−0·31	−18·41
	Talcher	+3·52	−0·74	+4·17	−0·17	+3·65	−7·86	− 0·96	− 4·08	+ 1·67	−2·79	−1·06	−0·18	− 4·83
	Narsinghpur	−0·08	−0·10	+4·48	+1·83	+4·53	−0·42	− 6·20	− 0·16	+ 0·97	−0·23	−0·25	−0·38	+ 3·99
	Angul	+2·35	−0·61	+0·42	−0·17	+2·71	−6·94	+ 0·27	− 2·22	− 0·46	−4·02	−1·22	− 0·35	−10·24
	Dhenkanal	+2·02	−0·01	+2·73	+1·26	+1·98	−7·60	− 3·63	− 4·14	+ 2·03	− 2·76	−1·15	−0·28	− 9·55
	Bispara	−0·13	−0·24	+3·24	+0·27	+3·45	−5·65	− 0·14	+ 2·78	− 3·16	−4·43	−0·96	−0·24	− 5·21
	Kunjabangar	+1·26	−0·12	+5·84	+0·69	+1·58	−4·01	− 2·58	+ 0·22	− 2·69	−3·51	−0·69	−0·10	− 4·11
	Banki (Charchika).	+0·30	+0·59	+2·10	−0·62	+2·15	−6·19	− 0·76	− 0·16	+ 2·57	−2·74	−1·42	−0·40	− 4·58
	Cuttack	+0·02	+0·07	+0·83	−1·19	+1·95	−8·25	− 1·90	− 4·85	− 2·92	−3·98	−1·36	−0·34	−21·92
	Baramba	−0·06	−0·01	+6·04	−0·64	+1·84	−3·25	+ 0·74	+ 0·19	− 1·14	−4·81	−1·14	−0·04	− 2·28

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of the past years*—contd

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.		August.	September.	October.	November.	December.	TOTAL.
BENGAL—*contd.*	False Point	+0·43	+0·06	—0·11	+0·53	—2·16	— 7·47	— 4·08	— 9·85	— 1·02	+ 9·00	—2·74	—0·22	—17·63
	Puri	+0·79	+0·23	+2·18	—0·38	—0·99	— 4·98	— 3·53	— 5·77	+ 2·72	— 6·67	—2·62	—0·55	—19·57
	Darjeeling	—0·60	—0·14	—0·90	—0·68	+3·03	— 9·14	+ 8·34	+14·27	+12·86	+ 1·75	—0·24	+1·07	+29·62
	Mongpoo	+0·26	+1·30	+0·12	—0·10	—1·01	— 1·74	— 0·91	+14·75	— 2·97	+ 2·62	—0·08	+1·76	+14·00
	Pedong	+0·50	—0·24	—0·84	—0·76	+2·77	— 0·61	— 2·64	+ 4·07	+ 2·46	+ 3·45	—0·33	+1·11	+ 8·94
	Buxa	—0·14	—0·41	—0·30	+0·50	— 6·36	— 1·59	— 7·17	+51·79	—14·14	— 4·09	+1·04	+2·21	+21·34
	Jalpaiguri	— 0·34	+0·59	+1·44	+2·64	—3·61	+ 8·25	+ 2·94	+19·66	—10·57	— 1·66	—0·14	+0·03	+19·23
	Cooch Behar	—0·43	+0·27	+0·93	—2·26	— 2·86	+19·87	— 1·51	+46·61	— 3·40	+ 1·68	—0·14	+0·35	+59·11
	Kishanganj	—0·27	+0·58	+0·87	+3·06	+3·13	— 8·43	+ 3·05	+16·33	— 0·57	— 0·61	—0·05	—0·09	+17·00
	Purnea	—0·26	+0·75	+1·11	+1·49	+1·30	— 7·50	— 1·61	+15·81	— 5·47	— 3·33	—0·07	—0·10	+ 2·12
	Rangpore	—0·43	+0·85	+0·32	—0·06	+9·81	—13·50	— 3·60	+14·11	— 3·32	— 3·05	—0·24	—0·08	+ 0·81
	Dinajpore	—0·23	+0·67	+1·28	+0·54	+3·86	—11·36	— 2·20	+10·17	— 1·00	— 2·90	—0·16	—0·05	— 1·38
	Malda	+0·70	+1·50	+1·16	—1·02	+7·83	— 7·73	+ 0·84	+11·27	+ 0·14	— 2·12	—0·22	—0·19	+12·16
	Bogra	—0·24	+0·50	+1·95	—0·73	+4·55	— 7·67	— 5·13	+11·70	+19·19	+ 0·23	—0·82	—0·03	+13·50
	Rampur Boalia.	+0·47	+0·35	+3·05	+0·72	+1·80	— 6·13	+ 7·91	+ 5·20	+ 6·44	— 0·37	— 0·31	+0·04	+19·17
	Pubna	+0·57	+0·07	+1·44	+1·54	+4·79	— 5·25	+ 6·68	+ 2·15	+ 2·49	+ 1·14	—0·59	+0·18	+15·21
	Suri	—0·13	+0·91	+3·11	+3·21	+0·72	— 6·52	+ 3·57	+ 3·18	+ 0·47	— 2·15	—0·33	+0·06	+ 6·10
	Bankura	+0·87	+0·26	+0·04	—0·27	—1·13	— 7·86	+ 2·80	— 2·57	+ 2·17	— 1·69	—0·51	+0·24	— 7·65
	Burdwan	+1·08	+1·47	+4·97	+1·32	+3·96	— 8·60	+21·82	+ 3·31	+ 1·64	+ 0·51	—0·64	+0·50	+31·34
	Hooghly	+0·74	+1·78	+0·68	+2·23	+2·71	— 7·32	+ 6·60	— 0·48	+ 2·94	+ 0·76	—0·66	+0·24	+10·22
	Howrah	+0·49	+0·54	+1·92	+2·12	+2·72	—10·51	+13·47	— 5·48	+ 2·70	+ 2·08	—0·50	— 0·18	+ 9·37
	Midnapore	+1·92	+1·73	+2·12	+0·83	+0·16	— 5·91	+ 7·87	— 0·99	+ 0·97	— 2·33	—0·56	+0·29	+ 6·10
	Tamluk	+2·01	+0·42	+1·44	+1·52	+0·91	— 7·83	+10·92	— 0·89	— 0·01	+ 0·49	—0·45	—0·15	+ 8·38
	Berhampore	+0·37	+0·43	+2·10	+1·55	+4·13	— 7·19	+ 8·08	— 0·47	+ 1·10	— 0·11	—0·40	+0·38	+ 9·97
	Krishnagar	+1·68	+1·69	+3·44	+1·36	+4·96	— 5·16	+17·03	+ 3·02	+ 6.94	+ 0·72	—0·74	+0·18	+35·12
	Faridpur	+0·37	+0·10	+2·35	+4·97	+0·82	— 7·77	+ 8·50	+ 0·22	+16·45	+ 5·95	—1·03	+0·24	+31·17
	Jessore	+1·21	+0·47	+0·51	+2·52	—0·42	— 8·46	+ 15·66	+ 1·38	+ 4·76	+ 8·17	—1·18	+0·25	+24·87
	Basirhat	+0·64	+0·34	+0·46	+5·38	+0·90	— 7·25	+12·51	— 0·59	+ 1·81	+ 1·37	—0·51	+0·43	+15·49
	Khulna	+2·75	—0·47	+4·62	+1·62	—1·62	— 6·47	+11·51	+ 5·17	+ 4·51	+ 2·89	—0·72	+0·19	+23·98
	Barisal	0	+0·25	+3·08	+4·31	—0·20	—12·44	+15·01	+ 9·13	+12·74	+ 0·68	—1·02	+0·23	+31·77
	Alipore (Obsy.)	+0·65	+0·60	+2·34	+3·44	+4·41	— 9·44	+12·53	— 6·38	+ 0·80	+ 0·91	—0·62	—0·31	+ 8·93
	Saugor Island	+0·91	+0·52	+6·49	+1·80	+0·95	— 9·63	+ 2·10	— 5·72	+ 0·62	+ 6·92	—1·31	+0·24	+ 3·89
	Mymensingh	—0·35	—0·40	+1·73	—0·52	+8·60	— 0·48	— 0·49	+11·96	+ 0·56	+ 0·48	—0·76	—0·02	+20·31
	Kishorganj	—0·29	—0·25	+1·10	—0·47	+5·64	— 3·19	+ 1·77	+ 9·65	+ 9·98	+12·42	—0·69	—0·10	+35·57

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—cont d

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
BENGAL—concld.	Atia (Tangail)	−0·33	+0·02	+ 1·80	+ 2·91	+4·96	− 5·91	+ 1·80	+ 5·08	+ 7·65	+ 1·36	−0·50	+0·02	+18·86
	Dacca	−0·15	+0·02	+ 1·57	+ 5·92	+3·41	− 7·96	+ 7·99	− 1·18	+ 8·77	+ 5·43	−0·86	+0·31	+23·27
	Comilla	−0·51	−0·44	+ 2·44	+ 2·47	−3·26	− 5·52	+ 2·25	+ 2·38	+ 5·78	+13·95	−1·19	+1·02	+18·37
	Agartalla	−0·55	−0·58	+ 1·77	+ 0·32	+1·19	− 4·55	+ 9·50	− 2·64	− 0·75	+ 6·17	−1·24	−0·04	+ 8·60
	Noakhali	−0·34	+0·93	+ 6·48	+ 1·89	+1·83	−12·89	+ 4·24	+ 9·18	+14·69	+ 3·55	−1·61	+1·20	+29·15
	Demagiri	−0·21	−0·22	+14·18	+ 0·99	−8·52	− 4·44	+ 3·41	+ 6·51	+ 5·69	+ 0·36	−1·53	−0·35	+15·87
	Rangamatia Hills.	−0·39	−0·71	+12·96	− 0·56	−5·07	− 8·05	+ 1·81	+ 4·33	+ 7·14	+ 1·75	−1·53	+0·90	+12·58
	Chittagong	−0·30	−0·95	+12·72	+ 3·97	−4·70	− 9·66	+10·32	+15·23	+11·06	− 0·88	−1·49	+0·36	+35·68
	Cox's Bazar	−0·13	−0·21	+ 8·65	+ 0·97	−5·51	−15·17	+ 4·28	+10·28	+ 8·38	+ 0·19	−1·97	+0·23	+ 9·99
ASSAM.	Sylhet	−0·30	−1·10	+ 4·60	− 3·45	−8·55	+ 8·44	+ 2·56	+16·66	− 8·08	+15·58	−1·12	+0·67	+25·91
	Silchar	−0·49	−1·53	+ 3·87	− 1·40	− 8·93	+ 6·09	− 1·60	+ 8·41	− 5·54	+12·07	−1·31	+0·57	+10·21
	Cherra Poonjee	−0·64	−1·51	− 4·27	−18·49	−9·86	−17·34	−14·00	+57·05	+11·70	+36·18	− 1·26	+0·91	+38·47
	Tura	−0·56	+0·87	− 0·34	+ 0·21	+3·88	+ 6·86	− 3·18	+32·67	+ 4·36	− 0·87	−0·30	+0·50	+44·10
	Shillong	−0·42	+0·63	+ 1·09	− 0·35	+5·64	− 2·02	− 3·32	+12·54	− 6·28	+ 7·74	−0·76	−0·19	+14·30
	Dhubri	−0·32	+0·43	0	+ 1·69	−0·72	+15·10	− 2·72	+ 8·05	+ 1·16	+ 0·32	−0·14	−0·14	+22·71
	Goalpara	+0·33	0	+ 1·19	+ 1·00	−4·38	− 1·95	+ 6·20	+ 7·92	− 1·34	− 0·50	−0·21	+0·14	+ 8·40
	Kulsi	−0·19	+0·05	+ 1·52	− 1·57	−2·19	− 4·35	+ 0·50	+11·18	+ 3·11	− 5·13	+0·21	+0·30	+ 5·44
	Gauhati	−0·13	−0·61	+ 0·31	+ 0·31	+3·25	− 4·97	− 6·75	+ 7·15	− 0·02	− 2·53	+0·09	+0·17	− 3·73
	Nowgong	−0·39	−0·67	+ 0·43	− 0·93	−4·97	− 6·10	− 4·75	+22·23	+ 3·17	− 2·75	+0·91	+0·74	+ 6·92
	Tezpur	−0·35	−0·69	+ 1·23	+ 5·23	−1·51	− 2·77	− 3·71	+12·23	− 2·59	− 0·45	+0·49	+1·24	+ 8·35
	Chardner	−0·18	−0·25	+ 0·36	+ 4·39	+3·67	+ 3·25	+ 4·91	+19·61	− 5·77	− 1·23	+2·18	−0·18	+30·76
	Sibsagar	+0·25	−1·45	+ 1·85	− 0·15	−4·34	− 3·75	+ 1·40	+ 2·56	+ 1·10	− 2·62	+0·93	+0·67	− 3·55
	Dibrugarh	+0·57	−1·63	+ 0·54	− 2·20	−7·72	− 9·27	+ 0·89	+ 3·41	− 9·72	− 2·69	+0·50	+0·54	−26·78
	Kohima	−0·19	−0·69	+ 1·93	+ 0·25	−1·84	− 4·52	+ 0·79	+11·48	− 1·20	+ 5·06	−0·95	+0·85	+10·97
CENTRAL PROVINCES.	Saugor	−0·50	−0·20	− 0·08	− 0·16	−0·51	− 6·75	−10·23	− 2·63	+ 0·26	− 1·17	−0·33	−0·49	−22·79
	Damoh	−0·41	−0·54	− 0·20	− 0·01	−0·30	− 6·12	− 5·44	− 3·31	− 1·73	− 1·48	−0·31	−0·39	−20·24
	Jubbulpore	−0·43	−0·29	− 0·22	− 0·13	−0·39	− 0·17	− 0·19	− 3·74	+ 1·61	− 1·49	−0·37	−0·21	−12·02
	Narsinghpur	−0·46	−0·41	− 0·15	− 0·24	−0·23	− 7·40	− 3·95	− 2·26	+ 4·69	− 1·13	−0·25	−0·38	−12·17
	Hoshangabad	−0·33	−0·21	− 0·17	+ 0·10	−0·26	− 6·28	+ 5·34	− 1·33	+ 5·59	− 1·31	−0·39	−0·44	+ 0·31
	Khandwa	−0·30	−0·19	− 0·09	− 0·12	−0·30	− 2·87	+ 6·58	− 5·24	+ 0·09	− 1·06	−0·15	−0·37	− 4·02
	Badnur (Betul)	−0·44	+0·02	− 0·56	− 0·29	−0·27	− 4·42	+ 2·50	− 1·26	+11·19	− 1·75	−0·39	−0·49	+ 3·84
	Pachmarhi	−0·31	−0·27	− 0·31	− 0·17	−0·26	− 8·60	+ 6·71	− 8·89	+15·89	− 1·83	−0·41	−0·54	+ 1·01
	Chhindwara	−0·36	+0·16	− 0·40	+ 0·16	+0·36	− 5·92	+ 1·14	− 3·23	+ 6·78	− 1·41	−0·41	−0·34	− 3·47
	Seoni	−0·45	−0·48	− 0·28	+ 0·14	+0·73	− 5·13	− 3·64	+ 1·49	+ 2·54	− 1·95	−0·43	−0·57	− 8·03

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.	Total.
Central Provinces—*concld.*	Balaghat	−0·21	+0·08	−0·01	+0·79	+0·40	− 8·90	− 3·78	− 2·85	+ 1·96	−1·50	−0·49	−0·22	−14·73
	Mandla	+1·02	+0·16	+1·10	−0·03	+0·06	− 7·29	− 2·74	− 0·94	+ 2·13	−1·39	−0·28	−0·33	− 8·53
	Bilaspur	+1·51	+1·56	+0·07	−0·12	+0·46	− 8·30	− 6·56	− 3·04	+ 3·98	−1·68	−0·57	−0·27	−12·96
	Sarangarh	+1·42	+0·70	−0·24	+0·06	−0·42	− 7·22	+ 5·74	− 4·80	+ 1·50	−2·87	−0·53	−0·13	− 6·79
	Raigarh	+2·05	+0·61	−0·15	+0·97	−0·15	− 7·92	− 3·77	− 9·57	+ 4·56	−0·77	−0·65	−0·21	−15·00
	Sambalpur	+1·61	+0·82	+0·61	−0·07	+0·78	− 9·51	− 1·69	+ 0·02	+ 6·60	−1·51	−0·42	−0·25	− 3·01
	Raipur	+1·12	+0·67	+0·21	−0·29	+0·32	− 8·52	+ 1·90	− 4·33	+ 8·58	−2·09	−0·62	−0·20	− 3·25
	Dhamtari	−0·06	−0·14	−0·31	+1·88	+1·29	− 5·80	− 1·28	+ 1·97	+ 4·03	−1·85	−0·36	−0·11	− 0·74
	Bhandara	−0·33	+0·38	−0·27	+0·78	−0·57	− 6·07	− 5·54	+ 2·39	+10·31	−1·11	−0·69	− 0·35	− 1·07
	Nagpur	−0·36	+0·34	−0·41	+0·44	−0·31	− 0·96	+ 0·01	+ 0·34	+ 9·61	−2·14	−0·51	−0·43	+ 5·62
	Arvi	−0·44	+0·22	−0·44	−0·15	−0·51	+ 3·53	− 1·96	+ 1·82	+ 3·70	−2·24	−0·35	−0·36	+ 2·82
	Wardha	+0·32	+0·09	−0·25	−0·03	−0·53	− 0·30	− 5·30	− 1·96	+12·68	−2·14	−0·57	−0·34	+ 1·73
	Brahmapuri	+0·50	−0·03	−0·49	+1·37	−0·53	− 6·59	− 5·58	− 3·18	+12·69	−1·99	−0·54	−0·37	4·74
	Chanda	−0·25	−0·53	+0·54	+0·92	−1·22	− 3·55	−11·03	0	+ 7·36	−1·98	−0·73	−0·30	−10·77
	Sironcha	−0·27	−0·29	−0·04	−0·28	+1·36	+ 1·02	− 5·63	− 2·85	+ 2·66	−1·26	−0·65	−0·23	− 6·46
	Baster (Jagadalpore).	−0·11	−0·14	+1·02	+0·56	−1·44	− 6·15	+ 2·01	− 0·21	+ 3·58	−1·46	−0·78	−0·18	− 3·30
Berar.	Chikalda	−0·55	+0·14	−0·38	−0·28	−0·13	− 4·75	+ 0·48	− 7·12	+ 5·98	−3·83	−0·64	−0·75	−11·83
	Ellichpur	−0·42	−0·11	−0·34	−0·25	+0·04	− 3·39	+ 0·79	− 2·80	+ 1·66	−2·10	−0·56	−0·51	− 7·99
	Amraoti	−0·31	−0·16	−0·34	−0·05	−0·49	− 4·97	+ 0·42	− 2·67	+ 2·85	−1·71	−0·36	−0·44	− 8·23
	Akola	−0·45	−0·06	−0·40	−0·16	−0·31	− 2·89	− 1·12	− 3·25	− 0·31	−2·14	−0·41	−0·58	−12·08
	Buldana	−0·48	−0·12	−0·25	−0·28	−0·47	− 2·93	+ 0·36	− 3·86	+ 2·85	−1·33	−0·30	−0·45	− 7·26
	Basim	−0·29	+0·31	−0·45	−0·28	−0·48	− 3·95	− 5·15	− 3·27	+ 3·25	−0·87	−0·66	−0·37	−12·21
	Yeotmal	+0·28	+0·77	−0·18	−0·35	−0·73	− 5·20	− 5·33	− 1·19	+ 5·27	−2·36	−0·56	−0·38	− 9·96
	Wun	−0·29	−0·23	+0·74	+0·30	+0·13	− 1·02	− 6·97	− 0·09	+ 2·60	−1·52	−0·74	−0·29	− 7·38
Bombay.	Dhulia	−0·27	−0·06	−0·04	−0·07	−0·27	− 1·76	+ 2·18	− 1·75	− 2·10	−1·63	−0·52	−0·31	− 6·60
	Nasik	−0·07	−0·06	−0·03	−0·14	−0·22	− 4·78	+ 4·97	− 1·96	− 4·43	−1·73	+0·09	−0·22	− 8·58
	Igatpuri	−0·14	−0·09	−0·03	−0·07	−0·38	−17·61	+ 1·84	−17·39	− 9·00	−3·72	+0·12	−0·18	−46·65
	Malegaon	−0·19	−0·11	−0·04	−0·19	−0·67	− 2·39	+ 0·08	− 0·35	− 3·27	−2·12	−0·37	−0·35	− 9·97
	Ahmednagar	−0·27	−0·12	−0·15	−0·40	−1·08	− 0·69	− 0·41	− 0·80	− 5·68	−0·52	−0·46	−0·44	−11·02
	Poona	−0·18	−0·05	−0·13	−0·58	+0·24	− 2·12	+ 6·91	− 2·29	− 4·03	−0·29	−0·45	−0·20	− 3·17
	Lonavla	−0·06	−0·04	−0·06	−0·23	−0·54	−22·11	− 8·82	−17·86	−13·78	−2·23	+0·15	−0·15	−65·73
	Satara	−0·27	−0·10	−0·10	−0·93	+0·05	− 4·56	+ 3·50	− 4·78	− 3·19	−0·15	+0·03	−0·41	−10·91
	Mahableshwar	−0·31	+0·04	−0·30	−1·26	−0·58	−39·04	+ 5·47	−21·51	+13·33	+2·97	−0·02	−0·32	−68·19
	Sholapur	−0·06	+0·12	−0·29	−0·51	−0·88	− 1·17	− 1·99	− 3·23	− 6·49	+1·72	−0·87	−0·30	−13·95

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd.

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August	September.	October.	November.	December.	TOTAL.
BOMBAY—*concld.*	Kolhapur	—0·06	—0·09	—0·14	—1·30	—0·07	— 6·80	— 4·54	— 4·03	— 3·25	—0·30	—0·02	—0·19	— 12·79
	Belgaum	—0·06	—0·03	—0·32	—1·64	+0·54	— 5·51	— 2·8[illegible]	— 5·34	— 3·58	—1·64	—0·54	— 0·24	—21·17
	Gokok	—0·07	—0·01	—0·41	—1·55	+1·32	+ 0·42	— 1·41	+ 0·12	— 0·96	—2·47	—0·69	—0·56	— 6·27
	Dharwar	—0·11	—0·03	—0·20	—0·83	—0·52	— 1·50	— 2·91	— 2·30	— 2·97	+0·07	—1·13	—0·37	—12·80
	Hubli	—0·09	—0·01	—0·32	—0·96	+2·97	— 1·30	— 2·77	— 0·17	— 3·07	—1·39	—0·57	—0·20	— 7·88
	Nargund	—0·17	—0·09	—0·28	—1·20	+0·13	— 0·46	— 1·11	+ 1·07	— 4·98	—4·47	—0·91	—0·26	—12·73
	Mundargi	—0·19	0	—0·13	—1·03	—0·52	+ 4·71	— 1·50	+ 3·71	— 3·87	—0·66	—1·38	—0·09	— 0·95
	Kalghatgi	—0·12	0	+0·09	—0·54	+1·08	— 4·57	— 4·20	+ 0·28	— 2·17	—0·66	—0·65	—0·19	—11·65
	Bijapore	—0·05	—0·05	—0·26	—0·44	—0·67	— 1·08	— 2·11	+ 0·79	— 5·42	+0·02	—1·26	—0·55	—11·08
	Honavar	—0·16	—0·01	—0·10	—0·42	—2·56	— 2·52	— 5·56	+ 4·66	— 4·85	—0·27	+0·86	—0·12	—11·05
	Karwar	—0·12	—0·01	—0·04	—0·44	—0·73	+ 0·22	—25·27	— 0·03	— 6·51	+3·67	—1·44	—0·11	—30·81
	Goa	—0·19	0	—0·02	—0·22	—0·37	— 4·76	—22·53	—11·39	— 2·18	+0·61	—0·76	—0·08	—41·89
	Vengurla	—0·19	—0·02	—0·05	—0·28	—1·97	—16·50	—22·55	— 8·08	— 4·77	—0·43	—0·97	—0·15	—55·96
	Ratnagiri	—0·60	—0·02	—0·05	—0·15	—1·23	—19·51	—13·04	—12·71	— 4·22	+2·43	+0·64	—0·06	—48·52
	Colaba (Obsy.)	—0·12	+0·06	—0·01	—0·05	—0·55	—15·88	— 7·41	—10·56	— 4·77	—1·56	+0·57	—0·05	—40·33
	Byculla (J. J. Hospital).	—0·14	—0·03	—0·01	—0·03	—0·39	—18·34	—12·62	—13·03	— 7·53	—2·00	+3·19	—0·04	—50·97
	Thana	—0·17	—0·06	—0·06	—0·01	—0·36	—18·15	— 4·79	—11·92	— 3·81	—1·70	+0·26	—0·04	—40·81
	Matheran	—0·08	+0·02	—0·01	—0·07	—0·70	—29·33	— 9·57	—30·61	—14·95	—4·13	—0·15	—0·04	—89·62
	Surat	—0·03	+0·17	+0·15	—0·01	—0·15	— 7·95	— 0·10	— 7·10	— 5·21	—1·57	—0·13	—0·03	—21·96
	Broach	—0·04	—0·06	—0·01	0	—0·12	— 7·35	— 0·32	— 7·76	— 5·07	—1·48	—0·16	—0·04	—22·41
	Kaira	—0·03	—0·11	—0·02	+0·06	—0·30	— 2·84	+19·92	— 8·00	— 3·36	—0·50	—0·31	—0·05	+ 4·46
	Bariya	—0·05	—0·25	0	—0·03	—0·27	— 4·25	+12·11	—10·96	— 3·21	—0·91	—0·17	—0·11	— 8·10
	Godhra	—0·04	+0·05	+0·24	—0·02	—0·40	— 4·83	+22·31	— 9·30	— 2·64	—0·90	—0·15	—0·09	+ 4·23
	Dohad	—0·06	—0·20	—0·01	—0·03	—0·46	— 1·84	+10·56	— 6·74	— 2·25	—0·99	—0·16	—0·14	— 2·32
	Ahmedabad	—0·02	—0·10	+0·01	—0·01	—0·46	— 3·39	+29·95	— 7·64	+ 0·23	—0·55	—0·19	—0·05	+17·78
	Idar	—0·04	—0·13	+0·27	—0·02	—0·57	— 3·15	+ 2·67	—11·07	— 0·74	—0·26	—0·22	—0·07	—13·33
	Deesa	—0·12	—0·14	—0·01	—0·05	—0·19	— 2·25	+ 8·61	— 7·43	— 2·22	—0·58	—0·14	—0·05	— 4·57
	Wadhwan	—0·05	—0·04	—0·04	—0·02	—0·20	— 2·38	+19·50	— 2·98	— 2·78	—0·55	—0·42	—0·05	+ 9·99
	Palanpore	—0·08	—0·18	+0·01	—0·07	—0·56	— 2·74	+ 7·54	—10·08	— 2·90	—0·45	—0·10	—0·11	— 9·72
	Rajkot	—0·05	—0·10	—0·01	—0·01	—0·31	— 4·47	+ 3·17	— 4·59	— 3·44	—0·67	—0·33	—0·06	—10·87
	Songad	—0·03	—0·08	—0·05	+0·03	—0·21	— 3·55	— 0·85	— 4·88	— 3·91	—1·51	—0·21	—0·03	—15·28
	Jetalsar	—0·05	+0·01	0	+0·01	—0·20	— 5·34	— 3·67	— 4·24	— 3·29	—1·42	—0·49	—0·04	—18·72
HYDERABAD.	Aurangabad (Cantt).	—0·04	—0·10	—0·07	—0·20	—0·53	— 3·40	— 2·82	— 3·76	— 3·55	—2·26	—0·44	—0·60	—17·77
	Parbhani	—0·06	—0·05	—0·22	—0·04	—0·52	— 1·86	— 5·46	— 0·33	+ 0·22	—2·56	—0·62	—0·23	—11·73
	Nandair	—0·11	—0·18	—0·46	—0·49	—0·25	— 3·80	— 5·65	+ 1·56	+ 1·98	—2·44	—0·69	—0·53	—11·07

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL
HYDERABAD—*concld.*	Bheer	—0·10	—0·05	—0·21	—0·20	—0·59	—1·63	—0·69	—0·01	—4·73	—1·53	—0·98	—0·54	—11·26
	Indur	—0·05	+0·17	—0·48	+0·51	—0·28	—1·96	—8·29	+3·57	+5·55	—2·09	—0·95	—0·33	— 4·63
	Karimnagar	—0·21	+0·23	—0·31	+2·21	+1·62	+0·50	—4·70	+7·48	—0·15	—1·91	—1·05	—0·28	+ 3·43
	Kandi	—0·05	+0·16	+1·02	+0·20	+0·09	—2·10	—6·36	+3·80	—3·02	+0·64	—1·04	—0·17	— 6·83
	Shumsabad	—0·06	+0·08	—0·34	—0·69	+0·98	+0·10	—5·17	+4·64	—2·25	+1·95	—1·37	—0·75	— 2·28
	Sundanully	—0·02	+1·01	—0·42	+0·26	+0·01	+1·15	—4·42	+2·16	—6·41	+1·69	—1·09	—0·06	— 6·14
	Dharase	—0·02	+0·13	—0·29	+0·88	—0·70	—0·82	—4·98	—2·92	—3·61	—1·70	—0·80	—0·34	—15·17
	Bidar	—0·01	+1·22	—0·45	—0·38	+0·21	—1·44	—7·88	+1·10	—1·36	—0·47	—1·30	—0·52	—11·28
	Gulbarga	—0·07	—0·08	—0·16	—0·04	+0·10	—0·77	—2·11	+3·91	—2·29	+1·82	—0·69	—0·24	— 0·62
	Bolaram	—0·10	—0·19	—0·15	—0·07	+0·84	—2·01	—4·74	+1·73	—1·66	—0·61	—0·94	—0·31	— 8·21
	Hyderabad (Residency.)	—0·09	+0·03	—0·11	—0·36	+3·14	—2·54	—3·42	+2·61	—3·73	—1·39	—1·25	—0·40	— 7·51
	Zanawada	—0·06	—0·23	—0·36	—0·19	+1·71	+1·88	—5·44	+5·13	—4·49	+0·22	—1·03	—0·01	— 2·87
	Bhongir	—0·13	+0·10	—0·31	+0·81	—0·25	+1·02	—2·99	+3·37	—2·10	—0·70	—1·75	—0·11	— 3·04
	Hanumkonda	—0·23	+0·09	—0·34	+1·97	—0·36	+3·43	—5·34	—2·62	—2·31	—2·18	—1·17	—0·26	— 9·32
	Sirpur Tandur	—0·04	—0·41	+0·32	—0·09	+0·24	— 3·46	—8·63	+3·55	+5·58	—1·78	—0·93	—0·53	— 6·18
	Palmoor	—0·02	—0·10	—0·25	+0·42	+0·01	—0·28	—1·30	+2·99	—4·31	+2·03	—0·75	—0·24	— 1·80
	Raichur	—0·02	—0·01	+0·09	—0·65	—0·95	+5·22	—1·39	+0·34	—2·95	+2·42	—0·96	—0·10	+ 1·04
MADRAS.	Rambha	—0·18	—0·32	+1·88	+5·77	+3·56	—5·00	+2·37	—5·64	+1·25	—8·22	—2·21	—0·81	— 7·55
	Gopalpur	+0·55	+0·42	+0·44	+0·64	+3·80	—4·78	—1·45	—6·16	+7·79	—8·53	—3·30	—0·72	—11·30
	Aska	—0·20	—0·58	+3·21	+2·24	+3·55	—2·49	+1·15	—1·89	+0·84	—5·37	—2·13	—0·47	— 2·14
	Vizianagram	—0·12	—0·34	+2·07	+1·99	+2·61	—3·15	—2·87	+0·20	+4·61	—6·25	—2·39	—1·04	— 4·08
	Bimlipatam	—0·18	—0·26	+0·50	+0·77	+2·18	—0·36	—0·55	+2·81	+4·46	—6·36	—0·93	—0·90	+ 1·18
	Rayaghadda	+0·05	—0·19	+0·33	+3·09	+0·92	—3·10	—0·82	+6·81	+3·08	—0·64	—1·07	—0·54	+ 7·92
	Nourangapur	+0·19	—0·29	+1·19	+0·64	+0·18	—4·60	+2·55	+1·37	+8·29	—2·51	—0·72	—0·07	+ 6·22
	Gunipore	—0·06	+0·57	+0·84	+1·75	+3·51	—2·40	—1·19	+2·75	+2·10	—4·14	—1·60	—0·28	+ 1·85
	Jeypore	—0·06	—0·28	—0·71	+2·42	+1·35	—7·43	+4·22	+1·65	+8·27	—3·21	—1·16	—0·04	+ 5·02
	Koraput	—0·09	—0·13	+0·19	+0·98	—0·48	—5·02	+5·60	—1·00	+9·97	—2·29	—1·30	—0·19	+ 6·24
	Malkanagiri	—0·01	—0·12	+1·26	—0·53	+0·69	—3·49	+0·45	+2·22	+4·99	—1·80	—0·94	—0·04	+ 2·68
	Narsapatnam	—0·06	+3·34	+3·58	+2·81	—1·52	—0·33	—3·60	+4·48	—2·58	—6·62	—2·02	—0·72	— 3·24
	Waltair	—0·32	+2·37	+1·24	+1·02	+2·82	+0·16	—1·24	+0·50	+0·86	—8·32	—4·01	—1·34	— 6·26
	Cocanada	—0·17	+0·18	+3·88	+0·05	—0·07	—3·33	—3·54	+1·11	—1·51	—6·92	—3·47	—0·71	—14·50
	Rajahmundry	—0·14	—0·07	+2·98	+0·33	—1·99	+0·68	—4·49	+2·96	+2·89	—1·28	—1·98	—0·15	— 0·26
	Ellore	—0·16	+0·19	+2·53	—0·39	—0·17	—1·14	—3·67	+0·79	—1·35	—3·89	—2·29	—0·28	— 9·83

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd.

PROVINCE.	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
MADRAS—*contd.*	Masulipatam	—0·17	+0·49	+3·79	—0·40	—0·21	+1·11	—4·38	+3·38	—4·90	—5·16	—4·17	—0·53	—11·15
	Guntur	—0·24	—0·19	+3·90	—0·52	+0·95	+1·72	—3·26	+5·16	—2·44	—4·39	—2·32	—0·36	— 1·99
	Vinukonda	—0·19	+0·86	+0·32	—0·12	+0·75	+0·31	—2·66	+3·60	—3·82	—0·57	—3·09	—0·51	— 5·12
	Ongole	—0·22	+0·11	—0·21	—0·30	—0·23	—0·20	—2·79	—0·24	—4·93	+0·28	—6·57	—0·88	—16·18
	Nellore	—0·36	+1·00	+0·43	—0·09	—1·00	+1·00	—1·41	—0·93	+2·12	+10·36	—6·50	—2·97	+ 1·65
	Udayagiri	—0·09	+0·26	+1·89	+0·74	+1·43	—0·57	—1·03	+2·32	—2·03	+2·66	—4·37	—1·75	— 0·54
	Tada	—0·16	—0·25	—0·18	—0·27	—1·59	+1·91	+0·29	—0·42	—1·64	+5·82	—3·32	—3·69	— 3·50
	Kurnool	—0·05	+0·03	—0·17	—0·51	+0·13	+2·43	—3·52	+6·12	—5·18	—0·05	—0·85	—0·15	— 1·77
	Nandyal	—0·07	—0·04	—0·16	+0·29	—0·27	—1·39	—3·00	+7·90	—6·93	—2·01	—1·00	—0·17	— 6·85
	Bellary	—0·10	+0·13	+0·62	+1·20	—0·94	+1·57	—0·92	+3·01	—3·03	—1·47	—1·19	—0·20	— 1·32
	Gooty	—0·03	—0·05	—0·08	+0·06	—0·65	—1·02	—2·61	+6·8	—4·73	—1·25	—1·21	—0·11	— 4·87
	Adoni	—0·04	+1·50	+0·22	+0·73	—0·86	+3·57	—1·41	+1·71	—4·97	—1·38	—0·81	—0·15	— 1·89
	Dharmabharam.	—0·01	+0·03	—0·12	—0·41	—1·07	—0·41	—0·65	+2·15	—3·03	—0·65	—1·83	—0·25	— 6·20
	Cuddapah	—0·14	—0·04	+0·22	—0·17	—1·30	+0·90	—1·42	+3·54	—5·27	+2·43	—2·61	—0·80	— 4·66
	Madanapalle	—0·02	—0·13	+2·81	+0·30	—1·18	—0·73	—0·86	+3·57	—3·09	+1·96	—0·26	—0·98	+ 1·39
	Chittore	+0·28	—0·21	+0·62	+0·20	—1·22	—0·78	—1·47	+6·83	—0·36	+1·84	—2·34	—1·80	+ 1·59
	Vellore	+0·01	—0·33	+0·95	+0·68	—0·96	+2·82	—0·98	+5·14	—4·71	+6·54	—2·10	—2·75	+ 2·31
	Chandragiri	+0·23	—0·03	+0·32	+0·12	—1·49	—0·94	+0·36	+1·32	—3·78	+2·39	—2·08	—2·28	— 5·86
	Arcot	—0·09	—0·44	+2·14	—0·20	—0·05	+0·64	—2·54	+2·91	—5·37	+9·87	—2·61	—2·65	+ 1·61
	Madras	+1·09	+0·03	+0·48	—0·09	—1·90	—1·22	—1·36	—2·73	—2·07	+8·72	—2·31	—4·85	— 6·21
	Palmaner	+0·77	—0·03	+0·79	—0·43	+1·30	—0·71	+0·38	+2·24	—4·27	+0·46	—1·04	—1·43	— 1·97
	Saidapet	+0·31	+0·10	+0·50	+0·93	—1·67	—1·49	—2·28	—1·90	+1·60	+9·80	—3·46	—4·99	— 2·55
	Chingleput	—0·04	—0·32	+0·52	+1·80	—1·37	—1·01	—0·56	+2·73	—2·89	+7·87	—3·94	—4·11	— 1·32
	Conjeeveram	+0·31	—0·26	+0·99	+2·21	+2·38	+0·5[illegible]	[illegible]	—0·12	—4·73	+10·17	—4·42	—3·49	+ 2·92
	Tindivanam	—0·03	—0·21	+0·33	+2·72	—0·83	+1·04	+2·19	—0·48	—3·02	+5·22	—3·35	—3·79	— 0·21
	Cuddalore	+0·31	—0·35	—0·34	+0·76	+1·28	—1·53	+0·36	+1·14	—3·58	+14·11	—3·23	—7·06	+ 1·87
	Vridhachalam	+0·76	—0·31	+1·21	+2·68	+2·81	—0·36	—1·67	+1·82	—0·23	+5·43	—0·76	—4·04	+ 7·34
	Udayarpalaiyam.	—0·10	—0·40	—0·31	+2·47	+0·30	—0·46	+0·13	+0·85	—1·47	+2·11	—1·18	—4·61	— 2·67
	Salem	—0·26	—0·23	—0·49	+0·56	—0·61	+0·91	—1·47	—0·16	—2·68	—1·33	—2·13	—0·92	— 8·81
	Atur	—0·29	—0·32	+3·28	+1·47	—1·63	+0·43	—0·55	+2·33	—1·84	—1·19	—2·56	—1·53	— 2·40
	Shevaroy Hills	+0·82	—0·36	+0·77	—0·27	+2·18	—2·24	—3·48	+7·40	—4·83	—0·26	—0·79	—3·27	— 4·33
	Kumbakonam	—0·55	—0·55	—0·51	+0·71	+2·18	—2·08	—2·39	+2·23	—2·64	+5·47	+0·17	—5·58	— 3·54
	Tirupatur	0	—0·31	—0·36	+2·81	—1·78	—0·33	—2·66	+0·70	—4·32	+5·38	+5·24	—0·81	+ 3·56
	Hosur	+0·09	—0·31	+1·86	—0·79	—0·59	—0·66	—0·33	+0·58	—2·49	+1·40	—1·58	—0·86	— 3·68

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December	Total.
Madras—*concld.*	Tranquebar	−1·00	−0·46	−0·09	+0·35	+1·43	−1·19	−1·93	+1·54	+0·20	+6·79	−3·18	−9·59	− 7·13
	Negapatam	−0·60	−0·72	+0·03	+3·24	+0·10	−0·98	−1·56	+0·88	−1·26	+1·69	−5·67	−10·60	−15·45
	Tanjore	−0·52	−0·43	−0·42	−0·20	+1·08	−1·34	+0·10	+3·04	−0·90	+1·41	−0·65	−4·21	− 3·04
	Patukota	−0·59	−0·75	−0·53	−0·98	−0·92	−0·19	−2·15	+1·91	−1·08	+0·01	−0·62	−5·80	−11·69
	Trichinopoly	−0·64	−0·57	−0·39	−0·02	−2·22	+ 0·08	−1·52	−1·37	−3·01	−2·41	−0·44	−2·94	−15·48
	Karur	−0·20	−0·17	+0·54	+1·62	+2·55	+ 0·31	−1·01	−1·41	−2·37	−3·58	−2·18	−1·43	− 7·33
	Coimbatore	−0·31	−0·31	−0·53	−0·50	+0·58	− 0·42	−0·53	−0·60	−0·34	+5·10	−1·84	−1·00	− 0·70
	Kollegal	−0·15	+0·94	−0·08	+0·10	−2·03	− 1·47	+0·55	−0·46	−3·02	+2·79	−1·82	−0·56	− 5·21
	Dindigul	−0·44	−0·42	+0·08	+1·99	−0·52	− 0·35	−1·34	−0·03	−0·74	+0·84	+0·76	−2·69	− 2·86
	Madura (Obsy.)	−0·51	+0·78	−0·63	−0·93	+0·36	+ 0·06	−2·00	+0·02	−1·38	+0·48	−2·03	−2·04	− 7·82
	Vattanum	−0·93	−0·64	−0·80	−1·35	+0·89	+ 0·18	−0·92	−0·97	−0·51	+0·60	−0·56	−5·59	−10·60
	Periyakulam	−0·58	−0·55	−0·52	+2·33	+3·11	+ 0·74	−0·55	−1·24	+0·55	+3·11	−2·60	−1·47	+ 2·33
	Tinnevelly	−0·73	−0·46	−1·43	+3·01	+1·74	− 0·23	−0·27	−0·45	+0·50	+4·54	−1·65	−3·41	+ 1·16
	Tuticorin	−0·44	−0·15	−0·82	+0·98	+2·00	+ 0·37	−0·16	+0·04	−0·23	+0·64	+ 1·25	−2·65	+ 0·83
	Satur	−0·31	−0·54	−0·69	+2·29	+1·58	− 0·24	+0·46	−0·72	−1·33	+2·13	+0·86	−2·00	+ 1·49
	Cochin	−0·80	+0·18	−1·54	−3·18	+2·00	− 4·04	−8·26	−6·59	−3·83	+9·86	−2·78	−1·72	−20·70
	Palghat	−0·06	−0·14	−0·75	−0·74	−0·32	+ 3·79	+3·27	−3·87	−0·70	+4·52	−0·48	−0·64	+ 3·88
	Wellington	−0·53	+4·86	−1·82	+0·34	+2·96	− 1·79	+0·44	+4·23	−0·35	+8·54	+3·77	−3·82	+16·83
	Manantoddy	−0·20	+1·04	−0·70	−2·53	+2·23	− 0·43	−3·42	−6·40	+0·90	+5·79	−0·59	−0·48	− 4·79
	Calicut	− 0·17	−0·16	− 0·79	−3·67	−0·21	+ 0·01	−2·85	−6·13	+2·70	+5·20	−0·43	−1·32	− 7·82
	Tellicherry	−0·27	+0·20	−0·39	−3·38	+6·05	− 4·42	−7·90	−4·34	−0·77	+4·36	−0·67	−0·87	−12·40
	Cannanore	−0·32	−0·22	−0·21	−2·67	+0·35	+ 7·59	+3·88	−1·94	−1·02	+3·54	−1·51	−0·46	+ ·01
	Mangalore	−0·13	−0·07	−0·11	−2·06	+0·53	+13·31	−9·44	+7·38	−6·94	+8·28	+1·39	−0·50	+11·64
Mysore and Coorg.	Bangalore	+0·01	−0·22	+1·51	+0·10	−0·96	− 0·74	−1·81	+4·49	−4·65	+2·23	−1·46	−0·27	− 1·77
	Mysore	−0·07	−0·17	−0·64	−0·21	+1·47	− 1·08	+0·09	−0·40	−4·06	−0·52	−1·30	−0·43	− 7·32
	Shimoga	−0·06	−0·11	−0·34	−1·18	+2·77	− 2·75	−0·76	−0·57	−2·19	+1·27	−0·38	−0·34	− 4·64
	Mercara	−0·18	+0·45	−0·51	−2·25	+0·86	− 4·63	−11·28	−5·73	−4·44	+1·73	−0·59	−0·50	−27·07
	Kolar	+0·32	−0·04	−0·10	−1·13	−1·58	− 2·99	−2·51	−1·16	−3·56	+0·03	−0·04	−0·46	−13·22
	Tumkur	+0·16	+4·51	−0·18	−0·82	−1·19	− 0·93	−2·40	+3·70	−5·43	−1·93	−1·03	−0·36	− 5·90
	Chitaldroog	−0·16	+0·14	−0·25	−1·47	−1·19	+ 0·89	−1·05	−1·29	−2·60	+0·35	−1·58	−0·37	− 8·58
	Chikmagalur	−0·20	−0·20	+0·40	−1·90	+0·72	− 3·13	−1·58	−2·05	−2·55	+0·66	−0·74	−0·46	−11·03
	Hassan	−0·61	+0·10	−0·35	−1·86	−0·31	− 2·24	+0·42	−0·41	−1·22	+2·69	−1·70	−0·59	− 6·08
Ceylon.	Trincomalee	−3·50	−1·22	−1·38	+7·12	−1·11	− 1·26	−0·09	−0·85	−0·61	−4·09	+1·89	−9·89	−14·99
	Colombo	+0·81	+0·85	−3·48	−5·17	+1·44	− 3·90	−3·21	−3·22	+5·77	+0·45	−7·43	−5·87	−22·96
	Ratnapura	−1·06	+0·23	−0·70	+3·97	−0·65	− 1·37	−5·16	−2·52	−0·23	−0·37	−3·62	−4·23	−15·71

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—contd

Province.	Station.	January.	Febuary.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Ceylon—*concld.*	Puttalam	—1·19	?	—2·25	+5·66	+1·30	—0·71	—0·41	—0·72	—0·71	+7·49	—3·99	—4·49	?
	Anuradhapur	—1·07	+2·49	+0·46	—3·76	—0·85	—1·26	—1·07	—1·67	—1·88	—2·71	+0·87	—5·12	—15·57
	Mannar	—1·50	—0·75	—1·50	+3·79	+0·49	—0·62	—0·23	+0·15	—1·04	+0·01	—4·79	—6·32	—12·31
	Jaffna	—0·46	—1·22	—0·77	+4·41	—0·19	—0·73	—0·75	+0·44	—1·60	+1·77	—4·29	—6·87	—10·26
	Batticoloa	+0·99	—1·34	—3·03	+9·63	+1·88	+1·84	—1·03	+2·91	+0·74	?	+10·05	—9·93	?
	Hambantota	—3·38	—0·87	—2·01	+0·59	+2·85	—1·82	—1·22	—0·94	—1·61	—0·38	+2·64	+1·28	—4·87
	Galle	—2·69	—1·31	—4·14	+11·90	+1·64	—0·48	—1·79	—3·48	—1·36	—2·82	—1·82	—3·84	—10·19
	Kandy	—3·80	—2·19	—3·39	—3·68	+3·75	+3·94	—1·85	—3·03	+0·77	+1·88	—6·06	—5·46	—19·15
	Nuwara Eliya	—3·12	+1·96	+0·20	+1·56	+0·62	+0·19	—6·30	—4·65	+0·03	—0·64	+0·75	—4·38	—13·78
	Hakgala	—2·84	+2·47	—2·70	+1·06	+0·26	+0·24	—3·10	—3·50	—0·54	—2·38	+3·21	—7·73	—15·55
	Badulla	—4·37	—0·16	—2·79	—2·51	—1·35	+0·57	—0·62	—1·93	+0·83	—1·65	+0·56	—5·97	—19·39
Burma.	Akyab	—0·12	—0·09	+5·23	+0·43	+2·43	—5·87	+20·13	+17·40	+6·50	—2·96	—2·99	+1·83	+41·92
	Kyaukpyu	+0·02	+0·22	+0·14	—0·05	+3·64	—6·00	+6·41	+10·48	+5·54	—3·86	—3·67	+2·55	+15·42
	Sandoway	—0·08	—0·07	+0·12	—1·07	+1·75	+8·52	+12·37	—1·82	+2·39	—2·40	—0·21	+0·34	+19·84
	Rangoon	—0·11	—0·23	—0·16	—1·74	—1·39	+1·39	+8·36	—3·73	+6·46	—0·84	—1·87	—0·05	+6·09
	Bassein	—0·17	—0·20	—0·05	—1·37	+0·49	+8·72	+2·21	—6·55	+2·05	+3·30	—3·23	+2·56	+7·76
	Diamond Island.	—0·24	—0·07	—0·05	—1·38	—1·98	+12·01	—3·75	—3·24	—2·17	+0·53	—5·23	+1·54	—4·03
	Henzada	—0·07	—0·18	—0·04	—0·87	+6·80	+1·56	+4·12	+5·70	+4·57	—1·01	—1·66	+0·50	+19·42
	Myanaung	—0·05	—0·02	—0·01	—0·96	—0·44	+1·58	+2·01	+0·83	+2·12	—3·54	+0·25	+0·49	+2·26
	Prome	—0·02	+0·08	+0·16	—0·74	—1·92	+0·12	+2·19	—1·86	+2·94	+1·85	—1·45	+0·64	+1·99
	Thayetmyo	—0·02	+0·20	+0·50	—0·44	—0·49	—1·13	+1·57	—2·72	+5·39	—0·72	—1·44	+1·02	+1·72
	Mandalay	—0·06	0	+1·43	—1·17	+2·70	—2·69	—1·63	+0·68	+7·59	—0·02	—0·50	+1·64	+7·97
	Shwebo	—0·08	+0·13	+0·53	—0·64	+4·12	—4·14	—0·30	—2·93	+10·08	+0·10	—0·05	+1·22	+8·04
	Yeu	—0·08	+0·08	+1·09	—0·55	+1·96	—1·70	—1·04	—5·55	+0·86	+0·86	—0·20	+0·60	—2·67
	Minbu	—0·04	+0·06	+0·83	—0·52	—0·23	+1·20	+2·05	—3·14	+2·08	+0·35	—0·43	+1·78	+3·99
	Pyinmana	—0·06	+0·22	—0·03	—1·35	—2·27	+2·89	—0·52	+1·58	+1·17	+1·98	—1·40	+0·29	+2·50
	Pagan	—0·03	—0·03	+2·78	—0·53	+0·47	—0·79	—1·65	+0·75	+4·92	—2·59	—0·87	+1·54	+3·97
	Kyauksai	—0·19	—0·07	+2·41	—1·23	—0·87	—2·35	—1·39	—3·15	+5·88	+2·70	—1·40	+0·83	+1·16
	Bhamo	—0·71	+0·39	+1·57	—1·06	—1·80	+2·08	—11·02	—5·98	—1·35	+1·07	—0·87	+1·53	—16·15
	Kindat	—0·25	+0·27	+2·59	—1·17	+5·39	—3·66	+0·83	—4·96	—3·86	+4·45	—1·33	+0·08	—1·62
	Magwe	0	—0·02	+0·35	—0·90	—1·45	+1·12	+0·29	—2·33	+1·33	—2·79	—0·50	+0·86	—4·04
	Yamethin	—0·05	+0·16	+0·55	—2·04	—1·79	—0·14	—1·49	—4·25	+7·30	+2·60	—1·24	—0·06	—0·45
	Fort Sagaing	—0·03	—0·04	+1·60	—0·97	—0·35	—0·67	—2·91	—2·04	+6·22	+3·48	—1·36	+1·31	+4·24
	Mingin	—0·11	+0·07	+2·78	—0·46	+9·13	—0·54	+0·45	—3·23	+4·34	+1·14	—1·35	+0·62	+12·84

TABLE XXVII.—*Departure of the monthly and total rainfall (in inches) in 1905 from the average of past years*—concld.

Province.	Station.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.	Total.
Burma—*concld.*	Toungoo	—0·06	—0·08	+0·48	—1·38	—2·11	+6·07	—2·30	+0·99	+7·70	—1·44	+3·01	+0·06	+10·94
	Shwegyin	—0·12	—0·34	—0·28	—1·78	+3·36	+5·24	+4·92	+0·70	—4·43	—0·50	—1·54	—0·07	+5·16
	Moulmein	—0·17	—0·13	—0·23	—2·88	—7·14	+11·45	+2·52	—9·72	—4·67	+3·36	+1·71	—0·03	—5·93
	Tavoy	—0·17	—0·30	—0·77	—3·86	+2·50	+29·11	+12·88	—14·03	+3·48	+4·44	—1·58	+0·15	+31·85
	Mergui	—0·24	—0·21	—1·95	—5·66	—4·54	—1·11	—2·99	—4·36	+3·37	+3·61	—1·64	+0·03	—15·69
	Myingyan	—0·04	—0·05	+2·05	—0·33	—0·89	—2·22	—1·42	—0·10	+1·04	—0·12	—1·06	+1·11	—2·03
	Monywa	0	+0·21	+2·55	—0·45	+5·08	—2·59	—0·36	—3·76	+8·07	—0·62	—0·89	+1·11	+8·35
Bay Islands.	Port Blair	—0·85	—0·96	—0·21	—1·88	—5·62	+6·81	—0·95	—1·80	—7·16	—1·41	—7·53	+8·02	—13·54
	Cocos Island	—0·31	—0·11	0	—0·93	+0·66	+15·55	+0·96	—2·97	+0·95	+0·41	—5·91	+2·48	+10·78
Kashmir.	Leh	+0·28	—0·19	+0·64	—0·10	+0·06	—0·19	+0·23	—0·51	+0·66	—0·15	—0·03	+0·06	+0·76
	Srinagar	—0·09	—2·10	+1·60	—1·12	+0·30	—0·81	—1·88	—0·93	+3·26	—0·57	—0·24	+2·01	—0·57
	Skardu	—0·54	—0·98	+0·11	—1·55	+0·20	—0·32	+0·03	—0·52	+1·89	—0·02	—0·09	+0·54	—1·25
	Gilgit	—0·10	—0·15	+1·20	—0·23	+1·59	—0·16	—0·42	—0·25	+1·71	—0·08	—0·04	+0·12	+3·19
Nepal	Katmandu	—0·23	+1·61	—0·69	+1·65	+1·43	—2·34	—3·72	—1·30	+2·97	—2·19	—0·18	—0·26	—3·25
Extra India.	Meshed	+0·82	—0·83	—0·40	—1·05	—0·15	?	—0·02	+0·32	—0·07	+0·54	—0·54	+0·36	?
	Teheran	+0·58	—0·25	—1·13	?	?	?	?		?	?	?	?	?
	Ispahan	+0·72	—0·21	+0·84	—0·47	+0·07	0	—0·05	+0·09	0	—0·27	—0·79	—0·02	—0·09
	Bushire	—2·80	—1·39	+0·61	—0·48	+0·23	0	0	0	0	—0·12	—1·88	—2·04	—7·87
	Jask	—0·24	+0·22	+0·54	—0·03	0	—0·10	—0·02	0	0	—0·06	+0·34	+2·43	+3·08
	Muscat	—0·22	+0·97	+1·21	—0·03	0	—0·32	—0·04	0	0	—0·01	—0·44	—0·45	+0·67
	Baghdad	—0·80	—1·81	+0·44	—0·74	0·19	—0·01	0	—0·09	+0·02	—0·04	—0·99	—1·52	—5·73
	Aden	+1·50	—0·23	+1·23	—0·25	—0·17	+0·46	—0·04	+0·01	+0·48	—0·01	—0·13	—0·10	+2·75
	Perim	—0·04	—0·30	+0·75	+1·00	—0·37	0	—0·17	—0·42	0	—0·05	+0·17	—0·06	+0·51
	Kabul	—1·02	—0·83	—1·26	—1·47	—0·30	—0·04	—0·21	—0·16	—0·02	—0·10	—0·04	+1·59	—3·86
	Kashgarh	+0·11	+0·03	+3·17	+0·45	+0·98	—0·40	+0·06	—0·71	—0·29	—0·03	—0·02	—0·18	+3·17
	Amini Divi	—0·18	0	0	—2·58	+6·91	+3·90	—4·36	+6·80	—2·14	+1·80	+1·74	—0·32	+11·57
	Minicoy	+0·36	—0·35	—0·98	—3·67	+0·17	+7·18	—3·96	+8·37	—1·74	+1·68	+2·12	—4·66	+4·52
	Zanzibar	—0·90	—1·43	—1·33	+18·58	—0·03	+0·53	+1·33	+0·93	+0·88	+1·96	—5·44	+1·38	+16·46
	Port Victoria (Seychelles).	—3·48	—4·26	—9·00	—0·86	+5·42	—4·91	—1·93	+3·42	+7·72	—5·06	—6·37	+10·62	—8·69
	Mauritius	+14·00	—3·72	+6·80	—3·09	—0·70	+0·79	—0·59	+0·06	+0·64	+0·48	+2·30	+3·80	+20·77

TABLE XXVIII.—*Geographical summary of rainfall in 1905.*

Meteorological Division.	Area square miles.	Number of stations.	Normal rainfall.	Actual rainfall.	Mean excess or defect.	Total excess square miles × 1 inch.	Total defect square miles × 1 inch.
			Inches.	Inches.	Inches.		
I. Punjab Plains	120,000	29	21·28	15·76	— 5·52	.....	662,400
II. United Provinces of Agra and Oudh	83,500	44	38·18	27·26	—10·92	.....	911,820
IIa. Rajputana East	67,000	29	25·98	10·08	—15·90	.....	1,065,300
IIIb. „ West	58,000	10	11·71	3·90	— 7·81	.....	452,980
IV. Central India States	91,000	24	43·40	29·56	—13·84	.....	1,259,440
V. Bihar	30,000	15	45·58	55·28	+ 9·70	291,000	.....
VI. Western Bengal	38,000	14	53·69	54·91	+ 1·22	46,360	.....
VII. Lower „	54,000	28	66·16	81·72	+15·56	840,240	.....
VIII. Assam and Cachar	61,000	17	95·09	107·51	+12·42	757,620	...
IX. Orissa and Northern Circars	27,000	32	51·87	46·64	— 5·23	.....	141,210
X. Central Provinces, South	61,000	19	52·47	48·02	— 4·45	.....	271,450
XI. Berar and Khandesh	43,000	12	34·92	24·94	— 9·98	.....	429,140
XII. Gujarat	54,500	13	33·02	26·21	— 6·81	.....	371,145
XIII. Sind and Cutch	68,000	10	8·26	3·69	— 4·57	.....	310,760
XIV. North Deccan	48,000	13	30·78	19·67	—11·11	.....	533,280
XV. Konkan and Ghat	16,000	11	139·17	90·12	—49·05	.....	784,800
XVI. Malabar and Ghats	18,000	8	114·93	108·65	— 6·28	.....	113,040
XVII. Hyderabad	74,000	15	33·54	27·19	— 6·35	.....	469,900
XVIII. Mysore and Bellary	58,000	18	29·15	23·95	— 5·20	.....	301,600
XIX. Carnatic	72,000	36	36·84	33·59	— 3·25	.....	234,000
XX. Arakan	11,000	6	154·03	176·61	+22·58	248,380	.....
XXI. Pegu	32,500	7	72·55	79·71	+ 7·16	232,700	.....
XXII. Tenasserim	10,500	4	173·33	177·18	+ 3·85	40,425	.....
XXIII. Upper Burma	?	13	39·50	41·10	+ 1·60	.....	.....

On the mean of the whole area represented in the above table there was a defect of 4·90 inches, or excluding Burma of 5·58 inches.

TABLE XXIX.—*Geographical summary of the distribution of rainfall in 1905 according to seasons.*

Meteorological division.	January and February.			March to May.			June to October.			November and December.		
	Normal over division.	Actual.	Difference.	Normal over division.	Actual.	Difference.	Normal over division.	Actual.	Difference.	Normal over division.	Actual.	Difference.
	"	"	"	"	"	"	"	"	"	"	"	"
North-West Himalayas	6·03	10·16	+4·13	7·11	7·63	+0·52	42·43	29·68	—12·75	1·66	1·97	+0·31
Punjab Plains	2·21	3·58	+1·37	2·42	1·65	—0·77	15·92	9·68	—6·24	0·73	0·84	+0·11
United Provinces of Agra and Oudh.	1·52	2·31	+0·79	1·38	1·47	+0·09	35·81	24·40	—11·41	0·45	0·14	—0·31
Rajputana	0·49	0·50	+0·01	0·78	0·27	—0·51	21·45	7·69	—13·76	0·39	0·03	—0·36
Central India States	1·00	0·66	—0·34	0·76	0·75	—0·01	40·97	28·11	—12·86	0·66	0·05	—0·61
Bihar	1·26	1·46	+0·20	2·50	4·63	+2·13	41·12	48·57	+7·45	0·32	0·04	—0·28
Western Bengal and Chota Nagpur.	1·51	3·48	+1·97	3·63	5·64	+2·01	47·96	45·70	—2·26	0·60	0·11	—0·49
Lower Bengal	1·39	2·43	+1·04	10·55	17·34	+6·79	53·08	61·30	+8·22	0·71	0·24	—0·47
Eastern Himalayas	1·64	1·93	+0·29	18·03	17·21	—0·82	103·92	124·86	+20·94	0·55	1·43	+0·88
Assam and Eastern Bengal	1·83	1·22	—0·61	22·64	23·10	+0·46	69·44	81·72	+12·28	1·19	1·46	+0·27
Orissa and Northern Circars	0·74	1·35	+0·61	4·81	8·95	+4·14	44·11	36·52	—7·59	2·18	0·16	—2·02
Central Provinces, South	0·93	1·47	+0·54	1·85	2·13	+0·28	48·85	44·42	—4·43	0·83	0	—0·83
Berar and Khandesh	0·52	0·28	—0·24	1·09	0·42	—0·67	32·34	24·14	—8·20	0·99	0·09	—0·90
Gujarat	0·18	0·04	—0·14	0·37	0·08	—9·29	31·95	26·18	—5·77	0·30	0	—0·30
Sind and Cutch	0·49	1·08	+0·59	0·45	0·13	—0·32	7·89	3·05	—4·84	0·21	0·10	—0·11
North Deccan	0·18	0·02	—0·16	3·50	2·57	—0·93	25·65	16·63	—9·02	1·45	0·46	—0·99
Konkan and Ghats	0·22	0·02	—0·20	1·71	0·52	—1·19	131·63	83·72	—47·91	0·90	1·00	+0·10
Malabar and Ghats	0·52	0·41	—0·11	11·34	9·60	—1·74	99·16	96·26	—2·90	3·91	2·39	—1·52
Hyderabad	0·26	0·28	+0·02	1·87	2·16	+0·29	29·71	24·62	—5·09	1·30	0	—1·30
Ceded Districts and Mysore	0·24	0·51	+0·27	4·80	4·16	—0·64	21·60	18·37	—3·23	2·52	0·91	—1·61
Carnatic	0·92	0·55	—0·37	4·07	5·45	+1·38	21·12	22·27	+1·15	10·66	5·32	—5·34
Nilgiris	2·53	6·86	+4·33	9·96	11·44	+1·48	26·70	37·77	+11·07	10·92	10·87	—0·05
Arakan	0·77	0·31	—0·46	14·96	20·97	+6·01	135·45	153·43	+17·98	2·87	1·92	—0·95
Pegu	0·20	0·05	—0·15	8·95	7·81	—1·14	66·27	73·94	+7·67	2·60	2·00	—0·60
Tenasserim	0·98	0·55	—0·43	22·36	16·56	—5·80	147·69	158·52	+10·83	2·31	1·57	—0·74
Upper Burma	0·21	0·19	—0·02	6·18	8·11	+1·93	30·29	30·00	—0·29	1·48	1·56	+0·08
Bay Islands	1·15	0·03	—1·12	15·45	11·46	—3·99	69·09	74·28	+5·19	10·68	9·21	—1·47

TABLE XXX.—*Average over the 57 meteorological divisions of the actual and normal rainfall for the four seasons of the year 1905 and for the whole year.*

Province.	Division.	January and February.			March to May.			June to October.			November and December.			Whole Year.		
		Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.
		Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches
Burma	1. Tenasserim	0·48	0·63	−0·15	20·05	27·86	−7·81	180·71	165·06	+15·65	1·17	2·16	−0·99	202·41	195·71	+ 6·70
	2. Lower Burma, Deltaic	0	0·22	−0·22	11·85	13·90	−2·05	95·67	88·83	+ 6·84	1·43	1·77	−0·34	108·95	104·72	+ 4·23
	3. Central do.	0·03	0·07	−0·04	6·00	7·65	−1·65	52·87	46·57	+ 6·30	1·57	1·23	+0·34	60·47	55·52	+ 4·95
	4. Upper do.	0·22	0·30	−0·08	8·88	7·28	+1·60	36·61	32·39	+ 4·22	1·53	1·61	−0·08	47·24	41·58	+ 5·66
	5. Arakan	0·57	0·19	+0·38	18·04	14·17	+3·87	177·26	155·71	+21·55	2·07	1·93	+0·14	197·94	172·00	+25·94
Bengal and Assam	6. Eastern Bengal	1·18	1·42	−0·24	25·43	17·23	+8·20	85·28	69·85	+15·43	0·65	1·27	−0·62	112·54	89·77	+22·77
	7. Assam Surma	0·84	2·28	−1·44	31·17	38·21	−7·04	111·81	88·34	+23·47	1·10	1·61	−0·51	144·92	130·44	+14·48
	8. Do. Hills	1·55	1·97	−0·42	27·04	27·26	−0·22	113·20	106·42	+ 6·78	1·52	1·60	−0·08	143·31	137·25	+ 6·06
	9. Do. Brahmaputra	1·61	2·21	−0·60	21·99	23·80	−1·81	65·39	62·94	+ 2·45	2·25	0·95	+1·30	91·24	89·90	+ 1·34
	10. Deltaic Bengal	3·01	1·42	+1·59	16·29	9·88	+6·41	56·71	48·89	+ 7·82	0·21	0·91	−0·70	76·22	61·10	+15·12
	11. Central do.	2·38	1·21	+1·17	12·91	6·73	+6·18	50·24	47·66	+ 2·58	0·18	0·52	−0·34	65·71	56·12	+ 9·59
	12. North do.	1·33	1·02	+0·31	19·89	16·58	+3·31	93·83	82·53	+11·30	0·51	0·30	+0·21	115·56	100·43	+15·13
	13. Bengal Hills	2·43	1·70	+0·73	14·32	14·82	−0·50	103·08	93·18	+ 9·90	1·57	0·52	+1·05	121·40	110·22	+11·18
	14. Orissa	1·84	1·00	+0·84	9·24	6·03	+3·21	35·98	48·85	−12·87	0·05	1·63	−1·58	47·11	57·51	−10·40
	15. Chota Nagpur	3·88	1·30	+2·58	5·77	3·81	+1·96	43·47	48·50	− 5·03	0·11	0·55	−0·44	53·23	54·16	− 0·93
	16. South Bihar	1·84	1·40	+0·44	4·05	2·05	+2·00	44·82	41·36	+ 3·46	0·03	0·38	−0·35	50·74	45·19	+ 5·55
	17. North do.	1·54	1·13	+0·41	6·45	4·21	+2·24	57·40	47·53	+ 9·87	0·01	0·20	−0·19	65·40	53·07	+12·33
United Provinces of Agra and Oudh.	18. United Provinces, East	1·15	1·20	−0·05	1·60	0·87	+0·73	35·46	37·46	− 2·00	0	0·39	−0·39	38·21	39·92	− 1·71
	19. South Oudh	1·47	1·15	+0·32	1·13	0·89	+0·24	24·74	35·20	−10·46	0·05	0·46	−0·41	27·39	37·70	−10·31
	20. North do.	1·91	1·31	+0·60	1·88	1·53	+0·35	33·44	39·12	− 5·68	0·11	0·43	−0·32	37·34	42·39	− 5·05
	21. United Provinces, Central.	1·24	0·99	+0·25	0·62	0·71	−0·09	13·34	32·60	−19·26	0·01	0·49	−0·48	15·21	34·79	−19·58
	22. United Provinces, West	2·28	1·14	+1·14	0·80	0·96	−0·16	9·15	23·67	−14·52	0·08	0·42	−0·34	12·31	26·19	−13·88
	23. United Provinces, East Submontane.	1·33	1·22	+0·11	2·24	1·73	+0·51	42·57	42·24	+ 0·33	0·08	0·25	−0·17	46·22	45·44	+ 0·78
	24. United Provinces, West Submontane.	4·76	2·65	+2·11	2·00	1·86	+0·14	22·22	42·41	−20·19	0·39	0·72	−0·33	29·37	47·64	−18·27
	25. United Provinces Hills	6·76	4·82	+1·94	6·20	4·53	+1·67	38·24	52·85	−14·61	0·73	1·08	−0·35	51·93	63·28	−11·35
Punjab	26. South-East Punjab	2·15	1·33	+0·82	0·97	1·11	−0·14	8·48	19·45	−10·97	0·09	0·48	−0·39	11·69	22·37	−10·68
	27. South do.	2·79	1·46	+1·33	0·63	1·11	−0·48	9·29	13·38	− 4·09	0·29	0·42	−0·13	13·00	16·37	− 3·37
	28. Central do.	3·55	2·24	+1·31	1·37	1·98	−0·61	13·22	14·11	− 0·89	0·82	0·60	+0·22	18·96	18·93	+ 0·03
	29. Punjab Submontane	5·29	3·48	+1·81	2·44	2·68	−0·24	15·82	22·95	− 7·13	1·06	0·91	+0·15	24·61	30·02	− 5·41
	30. Do. Hills	8·86	6·93	+1·93	9·10	6·85	+2·25	31·09	43·58	−12·49	1·41	1·89	−0·48	50·46	59·25	− 8·79
	31. West Punjab	2·08	1·10	+0·98	0·86	1·29	−0·43	5·38	6·20	− 0·82	0·81	0·33	+0·48	9·13	8·92	+ 0·21

TABLE XXX.—*Average over the 57 meteorological divisions of the actual and normal rainfall for the four seasons of the year 1905 and for the whole year*—concluded.

Province.	Division.	January and February.			March to May.			June to October.			November and December.			Whole Year.		
		Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.
		Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches
North-West Frontier Province.	32. North-West Frontier Province.	4·68	2·85	+1·83	5·41	4·35	+1·06	6·73	9·67	−2·94	2·53	1·07	+1·46	19·35	17·94	+1·41
Bombay and Malabar Coast Districts (Madras).	33. Malabar	0·32	0·38	−0·06	8·74	10·89	−2·15	107·75	109·95	−2·20	2·39	4·21	−1·82	119·20	125·43	−6·23
	33A. Travancore	1·23	...	...	17·74	...	...	60·46	...	...	3·95	.	...	83·38	...	...
	34. Madras, South Central	0·19	0·46	−0·27	7·35	5·98	+1·37	16·12	18·44	−2·32	2·16	5·18	−3·02	25·82	30·06	−4·24
	35. Coorg	0·52	...	...	7·77	...	...	69·02	...	...	1·60	...	...	78·91	...	...
	36. Mysore	0·38	0·11	+0·27	6·50	5·19	+1·31	20·13	26·15	−6·02	0·96	3·15	−2·19	27·97	34·60	−6·63
	37. Konkan	0·01	0·18	−0·17	0·74	1·98	−1·24	67·53	110·05	−42·52	0·70	0·94	−0·24	68·98	113·15	−44·17
	38. Bombay Deccan	0·07	0·17	−0·10	2·46	3·09	−0·63	19·34	31·05	−11·71	0·39	1·34	−0·95	22·26	35·65	−13·39
	39. Hyderabad, North	0·30	0·24	+0·06	1·55	1·50	+0·05	24·63	32·76	−8·13	0	1·31	−1·31	26·48	35·81	−9·33
	40. Khandesh	0·05	0·24	−0·19	0·27	0·83	−0·56	20·25	29·22	−8·97	0·25	0·70	−0·45	20·82	30·99	−10·17
Central Provinces and Berar.	41. Berar	0·45	0·52	−0·07	0·42	0·98	−0·56	25·60	29·73	−4·13	0·01	0·87	−0·86	26·48	32·10	−5·62
	42. Central Provinces, West.	0·58	0·78	−0·20	0·68	1·01	−0·33	44·20	41·49	+2·71	0	0·80	−0·80	45·46	44·08	+1·38
	43. Central Provinces, Central.	0·87	1·01	−0·14	1·89	1·29	+0·60	36·97	48·10	−11·13	0·03	0·71	−0·68	39·76	51·11	−11·35
	44. Central Provinces, East	3·17	0·86	+2·31	2·92	1·93	+0·99	40·91	48·83	−7·92	0	0·70	−0·70	47·00	52·32	−5·32
Bombay (North)	45. Gujarat	0·05	0·15	−0·10	0·04	0·25	−0·21	30·19	40·76	−10·57	0·01	0·29	−0·28	30·29	41·45	−11·16
	46. Kathiawar and Cutch	0·04	0·15	−0·11	0·06	0·28	−0·22	20·77	26·69	−5·92	0·01	0·38	−0·37	20·88	27·50	−6·62
	47. Sind	0·98	0·53	+0·45	0·18	0·39	−0·21	1·48	5·51	−4·03	0·09	0·20	−0·11	2·73	6·63	−3·90
	48. Baluchistan Hills	5·79	2·86	+2·93	2·02	1·86	+0·16	0·58	2·17	−1·59	2·66	1·47	+1·19	11·05	8·36	+2·69
Rajputana and Central India.	49. Central India, East	0·63	0·79	−0·16	0·59	0·55	+0·04	23·46	36·74	−13·28	0·04	0·65	−0·61	24·72	38·73	−14·01
	50. Rajputana East, Central India, West.	0·72	0·65	+0·07	0·27	0·73	−0·46	8·65	23·19	−14·54	0·04	0·59	−0·55	9·68	25·16	−15·48
	51. West Rajputana	0·32	0·29	+0·03	0·11	0·44	−0·33	4·40	10·74	−6·34	0·02	0·35	−0·33	4·85	11·82	−6·97
Madras	52. East Coast, North	0·76	0·49	+0·27	7·37	3·58	+3·79	28·81	34·11	−5·30	0·26	3·38	−3·12	37·20	41·56	−4·36
	53. Hyderabad, South	0·24	0·26	−0·02	2·72	2·15	+0·57	21·40	25·99	−4·59	0	1·32	−1·32	24·36	29·72	−5·36
	54. Madras, Central	0·24	0·12	+0·12	2·50	2·46	+0·04	18·97	19·70	−0·73	0·47	2·63	−2·16	22·18	24·91	−2·73
	55. East Coast, Central	0·57	0·63	−0·06	1·27	1·87	−0·60	23·09	20·10	+2·99	3·95	10·90	−6·95	28·88	33·50	−4·62
	56. East Coast, South	0·66	0·90	−0·24	4·55	3·41	+1·14	26·18	24·41	+1·77	6·93	14·17	−7·24	38·32	42·89	−4·57
	57. Madras, South	0·65	1·40	−0·75	7·08	4·92	+2·16	12·96	12·38	+0·58	7·19	9·82	−2·63	27·88	28·52	−0·64

TABLE XXXI.—*Averages over the 57 meteorological divisions of the actual and normal number of rainy days for the four seasons of the year 1905 and for the whole year.*

Province.	Division.	January and February.			March to May.			June to October.			November and December.			Whole Year.		
		Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.
Burma	1. Tenasserim	1·1	1·1	0	15·7	25·1	−9·4	117·4	114·4	+3·0	2·6	3·7	−1·1	136·8	144·3	−7·5
	2. Lower Burma, Deltaic	0	0·3	−0·3	11·8	17·6	−5·8	105·6	103·1	+2·5	2·0	2·9	−0·9	119·4	123·9	−4·5
	3. Central Burma	0·1	0·1	0	7·4	11·2	−3·8	77·0	75·0	+2·0	2·6	2·0	+0·6	87·1	88·3	−1·2
	4. Upper do.	0·8	0·7	+0·1	13·6	11·3	+2·3	46·5	45·2	+1·3	3·1	2·9	+0·2	64·0	60·1	+3·9
	5. Arakan	1·0	0·3	+0·7	15·1	14·1	+1·0	106·1	105·0	+1·1	2·8	2·7	+0·1	125·0	122·1	+2·9
Bengal and Assam	6. Eastern Bengal	2·9	2·5	+0·4	30·1	19·1	+11·0	79·4	72·2	+7·2	1·3	1·5	−0·2	113·7	95·3	+18·4
	7. Assam Surma	2·6	4·3	−1·7	40·2	37·1	+3·1	101·7	87·2	+14·5	2·2	2·1	+0·1	146·7	130·7	+16·0
	8. Do. Hills	3·9	4·3	−0·4	37·3	30·2	+7·1	94·4	89·6	+4·8	3·9	3·1	+0·8	139·5	127·2	+12·3
	9. Do. Brahmaputra	5·2	5·6	−0·4	32·8	32·5	+0·3	73·4	69·1	+4·3	3·8	2·2	+1·6	115·2	109·4	+5·8
	10. Deltaic Bengal	5·2	2·3	+2·9	21·5	13·8	+7·7	64·4	62·1	+2·3	0·6	1·2	−0·6	91·7	79·4	+12·3
	11. Central do.	5·6	2·4	+3·2	16·0	10·0	+6·0	60·8	58·3	+2·5	0·7	0·8	−0·1	83·1	71·5	+11·6
	12. North do.	3·1	2·3	+0·8	24·3	18·7	+5·6	74·2	66·7	+7·5	1·2	0·7	+0·5	102·8	88·4	+14·4
	13. Bengal Hills	5·8	3·9	+1·9	27·5	25·8	+1·7	89·6	89·2	+0·4	5·0	1·4	+3·6	127·9	120·3	+7·6
	14. Orissa	4·0	1·8	+2·2	15·7	9·0	+6·7	52·7	58·4	−5·7	1·0	2·0	−1·0	73·4	71·2	+2·2
	15. Chota Nagpur	7·8	2·7	+5·1	11·4	6·9	+4·5	54·9	58·1	−3·2	0·6	0·9	−0·3	74·7	68·6	+6·1
	16. South Bihar	5·2	2·9	+2·3	7·6	3·6	+4·0	45·9	47·0	−1·1	0·1	0·6	−0·5	58·8	54·1	+4·7
	17. North do.	4·0	2·4	+1·6	11·0	6·2	+4·8	51·3	48·9	+2·4	0·1	0·5	−0·4	66·4	58·0	+8·4
United Provinces of Agra and Oudh.	18. United Provinces, East.	4·1	2·6	+1·5	4·2	1·8	+2·4	38·8	42·7	−3·9	0	0·7	−0·7	47·1	47·8	−0·7
	19. South Oudh	4·5	2·4	+2·1	3·4	2·0	+1·4	29·9	38·6	−8·7	0·2	0·8	−0·6	38·0	43·8	−5·8
	20. North do.	5·2	2·8	+2·4	5·4	2·9	+2·5	37·6	39·9	−2·3	0·5	0·8	−0·3	48·7	46·4	+2·3
	21. United Provinc Central.	3·4	2·2	+ 2	2·2	1·8	+0·4	21·0	36·8	−15·8	0	0·9	−0·9	26·6	41·7	−15·1
	22. United Provinces, West.	5·8	2·5	+3·3	2·4	2·6	−0·2	14·0	27·6	−13·6	0·2	0·9	−0·7	22·4	33·6	−11·2
	23. United Provinces, East Submontane.	4·7	2·5	+2·2	6·4	3·1	+3·3	44·7	43·0	+1·7	0·3	0·6	−0·3	56·1	49.2	+6·9
	24. United Provinces, West Submontane.	9·5	4·8	+4·7	4·9	4·1	+0·8	28·3	39·0	−10·7	1·6	1·4	+0·2	44·3	49·3	−5·0
	25. United Hills. Provinces	13·9	8·0	+5·9	13·3	9·4	+3·9	45·2	55·6	−10·4	2·1	2·0	+0·1	74·5	75·0	−0·5
Punjab	26. South-East Punjab	5·6	3·0	+2·6	2·4	2·8	−0·4	10·4	22·2	−11·8	0·4	1·0	−0·6	18·8	29·0	−10·2
	27. South Punjab	7·2	3·2	+4·0	1·7	2·5	−0·8	10·1	16·3	−6·2	0·9	0·9	0	19·9	22·9	−3·0
	28. Central Punjab	8·3	4·6	+3·7	3·6	4·5	−0·9	11·1	15·5	−4·4	1·7	1·1	+0·6	24·7	25·7	−1·0
	29. Punjab Submontane	10·7	5·9	+4·8	5·0	5·5	−0·5	18·8	24·0	−5·2	2·6	1·5	+1·1	37·1	36·9	+0·2
	30. Do. Hills	17·9	9·7	+8·2	18·4	11·7	+6·7	36·7	43·1	−6·4	3·4	2·6	+0·8	76·4	67·1	+9·3
	31. West Punjab	5·6	2·6	+3·0	2·4	3·1	−0·7	6·6	8·6	−2·0	1·5	0·7	+0·8	16·1	15·0	+1·1

TABLE XXXI.—*Averages over the 57 meteorological divisions of the actual and normal number of rainy days for the four seasons of the year 1905 and for the whole year.* —concluded.

Province.	Division.	January and February.			March to May.			June to October.			November and December.			Whole Year.		
		Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.	Actual.	Normal.	Departure of actual from normal.
North-West-Frontier Province.	32. North-West Frontier Province.	8·2	5·5	+2·7	10·9	8·8	+2·1	10·8	13·8	−3·0	3·3	1·8	+1·5	33·2	29·9	+3·3
Bombay and Malabar Coast Districts (Madras).	33. Malabar	0·6	0·3	+0·3	12·0	13·7	−1·7	96·3	97·8	−1·5	3·2	6·2	−3·0	112·1	118·0	−6·0
	33-A. Travancore	2·0	...	...	24·3	...	...	68·7	...	...	6·7	...	...	101·7	...	...
	34. Madras, South Central	0·6	0·7	−0·1	11·2	9·3	+1·9	26·5	28·6	−2·1	5·3	8·1	−2·8	43·6	46·7	−3·1
	35. Coorg	1·4	...	...	14·7	...	...	87·8	...	...	3·4	...	...	107·3	...	...
	36. Mysore	0·7	0·2	+0·5	10·1	8·8	+1·3	36·1	39·6	−3·5	2·4	4·9	−2·5	49·3	53·5	−4·2
	37. Konkan	?	0·3	−0·3	1·6	2·7	−1·1	74·9	92·0	−17·1	1·4	1·6	−0·2	77·9	96·6	−18·7
	38. Bombay Deccan	0·1	0·4	−0·3	5·0	5·9	−0·9	31·4	45·2	−13·8	1·0	2·2	−1·2	37·5	53·7	−16·2
	39. Hyderabad, North	0·9	0·5	+0·4	3·1	3·6	−0·5	33·1	46·0	−12·9	0	2·2	−2·2	37·1	52·3	−15·2
	40. Khandesh	0·2	0·5	−0·3	0·6	1·6	−1·0	27·9	42·1	−14·2	0·9	1·2	−0·3	29·6	45·4	−15·8
Central Provinces and Berar.	41. Berar	1·3	1·2	+0·1	1·1	2·2	−1·1	32·8	41·2	−8·4	0	1·3	−1·3	35·2	45·9	−10·7
	42. Central Provinces, West.	1·8	1·4	+0·4	2·0	2·2	−0·2	40·0	48·6	−8·6	0	1·3	−1·3	43·8	53	−9·7
	43. Central Provinces, Central.	2·1	1·9	+0·2	4·5	2·8	+1·7	40·7	53·1	−12·4	0·1	1·2	−1·1	47·4	59·0	−11·6
	44. Central Provinces, East	5·9	1·8	+4·1	6·9	4·3	+2·6	49·5	53·6	−4·1	0	1·2	−1·2	62·3	60·9	+1·4
Bombay (North)	45. Gujarat	0·1	0·3	−0·2	0·1	0·5	−0·4	25·2	44·2	−19·0	0·5	0·6	−0·1	25·9	45·6	−19·7
	46. Kathiwar and Kutch	0·2	0·3	−0·1	0·2	0·6	−0·4	14·5	29·4	−14·9	0	0·6	−0·6	14·9	30·9	−16·0
	47. Sind	3·6	1·5	+2·1	0·5	1·0	−0·5	1·9	6·2	−4·3	0·4	0·5	−0·1	6·4	9·2	−2·8
	48. Baluchistan Hills	12·3	6·6	+5·7	5·6	5·1	+0·5	1·3	3·9	−2·6	6·1	3·5	+2·6	25·3	19·1	+6·2
Rajputana and Central India.	49. Central India, East	1·4	1·7	−0·3	1·5	1.3	+0·2	28·7	42·1	−13·4	0·1	1·4	−1·3	31·7	46·5	−14·8
	50. Rajputana East, Central India, West.	2·5	1·6	+0·9	1·0	1·9	−0·9	13·3	28·3	−15·0	0·1	1·3	−1·2	16·9	33·1	−16·2
	51. West Rajputana	1·3	0·8	+0·5	0·3	1·1	−0·8	5·2	13·5	−8·3	0·1	0·7	−0·6	6·9	16·1	−9·2
Madras	52. East Coast, North	1·7	0·6	+1·1	11·3	6·1	+5·2	38·7	45·5	−6·8	0·4	3·6	−3·2	52·1	55·8	−3·7
	53. Hyderabad, South	0·8	6	+0·2	5·5	4·3	+1·2	33·3	42·3	−9·0	0	2·5	−2·5	39·6	49·7	−10·1
	54. Madras, Central	0·1	0	+0·1	5·1	4·7	+0·4	28·4	30·6	−2·2	1·3	4·1	−2·8	34·9	39·4	−4·5
	55. East Coast, Central	1·1	0·8	+0·3	2·8	2 5	+0·3	27·4	27·5	−0·1	7·2	9·8	−2·6	38·5	40·6	−2·1
	56. East Coast, South	1·7	1·4	+0·3	7·1	4·6	+2·5	30·8	31·2	−0·4	12·1	14·3	−2·2	51·7	51·5	+0·2
	57. Madras, South	1·4	2·3	−0·9	11·4	7·6	+3·8	19·3	18·7	+0·6	11·9	12·5	−0·6	44·0	41·1	+2·9

I.—The cold weather period.

(*a*) This period was exceptionally stormy and the cold weather precipitation was more or less above the normal throughout northern India excepting Assam, Gujarat and Central India. The excess was greatest, both absolutely and relatively to the normal, in Chota Nagpur which received three times its normal quantity.

Area.	Rainfall of period, January and February.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Assam	1·23	2·25	−1·02	−45
Bengal	1·98	1·27	+0·71	+56
Bihar	1·69	1·27	+0·42	+33
Chota Nagpur	3·88	1·30	+2·58	+198
United Provinces of Agra and Oudh	2·02	1·38	+0·64	+46
Punjab	3·42	2·08	+1·34	+64
Sind	0·98	0·53	+0·45	+85
Rajputana	0·52	0·47	+0·05	+11
Gujarat	0·05	0·15	−0·10	−67
Central India	0·63	0·79	−0·16	−20

(*b*) The rainfall of the period was very irregularly distributed in the Peninsula; it was practically normal in Hyderabad, in large excess in the Central Provinces, Orissa, Mysore and Ganjam, and in defect in the remainder of the area; the defect relatively to the normal was most pronounced in the Konkan and the Bombay Deccan which obtained only 6 and 29 per cent. of their respective normal amounts.

Area.	Rainfall of period, January and February.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Orissa	1·84	1·00	+0·84	+84
Central Provinces	1·54	0·88	+0·66	+75
Berar	0·45	0·52	−0·07	−13
Konkan	0·01	0·18	−0·17	−94
Bombay Deccan	0·06	0·21	−0·15	−71
Mysore	0·38	0·11	+0·27	+245
Hyderabad	0·27	0·25	+0·02	+8
Ganjam	0·76	0·49	+0·27	+55
Malabar	0·32	0·38	−0·06	−16
Remainder of Madras	0·46	0·70	−0·24	−34

(*c*) The influence of the cold weather storms did not extend fully into Burma where accordingly the total precipitation of the period was short of the normal.

Area.	Rainfal of period, January and February.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0·26	0·28	−0·02	−7

(*d*) The precipitation of the period was very irregularly distributed in regions beyond upper India being less than usual in Kashmir and the greater part of Persia, and above normal in Baluchistan and Afghanistan: this would suggest that the actions giving rise to the unusually disturbed weather in upper India and the mountain zone bordering it to the west were not transmitted through Persia.

The excessive precipitation in upper India was, it may be noted, associated with less rain than usual in the equatorial region as represented by Seychelles and Zanzibar.

Station.	Rainfall of period, January and February.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Seychelles	23·16	30·25	−7·09	−23
Zanzibar	2·44	5·74	−3·30	−57
Aden	1·77	0·61	+1·16	+190
Perim	0·45	0·60	−0·15	−25
Baghdad	0·74	3·55	−2·81	−79
Teheran	2·35	2·11	+0·24	+11
Ispahan	0·93	0·43	+0·50	+116
Bushire	1·41	5·47	−4·06	−74
Meshed	1·20	1·44	−0·24	−17
Chaman	5·40	3·05	+2·35	+77
Quetta	8·52	4·24	+4·28	+101
Kabul	2·63	2·22	+0·41	+18
Gilgit	0·05	0·37	−0·32	−86
Srinagar	5·41	6·29	−0·88	−14
Kashgar	0·49	0·39	+0·10	+26
Leh	0·76	0·66	+0·10	+15

II.—The hot weather period.

As already pointed out the meteorological conditions of March and the greater part of April were similar in some important respects to those of the cold weather proper and the commencement of the hot weather was delayed until about the beginning of May. March was a remarkably wet month over a large tract of country stretching eastwards from east Persia to upper Burma, and in this area the excess of rainfall was most marked in Eastern Bengal which recorded a total fall of 8·08″, as compared with a normal of 2·36″. In the Peninsula on the other hand the distribution was characterized by striking irregularities, though on the whole there was an excess of rain in the eastern and a defect in the western half. Conditions were less disturbed in April during which month the precipitation was below normal over the whole country with the exception of Bengal, the greater part of the Central Provinces, Hyderabad and Madras; in these areas the usual thunder showers were more frequent than usual. May, like April, was on the whole a month of deficient rainfall over a large part of the country, almost the only exceptions being Bengal, Madras, Arakan and Upper Burma. The shortage was greatest in Assam where the ordinary hot weather storms were neither so frequent nor so severe as usual.

(*a*) The total rainfall of the period March to May was in excess in the Bengal presidency, the United Provinces and the whole of the Peninsula excluding the West coast, Berar and the Bombay Deccan. The excess was most marked in Ganjam, Bihar, Orissa and Chota Nagpur, where it ranged between 50 and 106 per cent.

Area.	Rainfall of period, March to May.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	″	″	″	
Bengal	18·63	12·61	+6·02	+ 48
Orissa	9·24	6·03	+3·21	+ 53
Bihar	5·25	3·13	+2·12	+ 68
Chota Nagpur	5·77	3·81	+1·96	+ 51
United Provinces of Agra and Oudh.	1·47	1·22	+0·25	+ 20
Central India	0·59	0·55	+0·04	+ 7
Central Provinces	1·83	1·41	+0·42	+ 30
Mysore	6·50	5·19	+1·31	+ 25
Hyderabad	2·14	1·83	+0·31	+ 17
Ganjam	7·37	3·58	+3·79	+106
Remainder of Madras	14·55	3·73	+0·82	+22

(*b*) Over the rest of the country including Burma, Assam, practically the whole of north-west India, Berar, the Bombay Deccan and the west coast the rainfall of the period was short of the normal; the percentage deficiency was greatest in Gujarat.

Area.	Rainfall of period March to May.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	″	″	″	
Burma	12·96	14·17	−1·21	− 9
Assam	26·58	31·01	−4·43	−14
Punjab	1·95	2·09	−0·14	− 7
Sind	0·18	0·39	−0·21	−54
Rajputana	0·19	0·59	−0·40	−68
Gujarat	0·05	0·27	−0·22	−81
Berar	0·42	0·98	−0·56	−57
Konkan	0·74	1·98	−1·24	−63
Bombay Deccan	1·37	1·96	−0·59	−30
Malabar	8·74	10·89	−2·15	−20

(*c*). The precipitation of the period was in marked excess at Kashgar, Gilgit, Leh, Perim and Zanzibar.

The excess at the first four stations was distributed over practically the whole of the period, but at Zanzibar it occurred solely in April when a total of 30·52 inches was recorded, as compared with 13·24, the normal for the month.

Station.	Rainfall of period March to May.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	″	″	″	
Seychelles	17·24	23·56	−6·32	− 27
Zanzibar	45·66	28·92	+16·74	+ 58
Aden	0·21	1·44	−1·23	− 85
Perim	2·13	0·66	+1·47	+223
Baghdad	2·18	2·80	−0·62	− 22
Ispahan	1·97	1·48	+0·49	+ 33
Bushire	1·76	1·53	+0·23	+ 15
Meshed	3·27	4·95	−1·68	− 34
Chaman	1·76	1·79	−0·03	− 2
Quetta	2·86	3·31	−0·45	− 14
Kabul	5·40	7·68	−2·28	− 30
Gilgit	4·53	2·31	+2·22	+ 96
Kashgar	5·80	1·20	+4·60	+383
Leh	1·35	0·60	+0·75	+125

III.—The south-west monsoon period.

The rainfall was even lighter in this than during the corresponding period of the previous year. The Arabian Sea current arrived on the west coast on June 10th, a week later than usual, and was exceedingly unsteady and of much less than its normal intensity until the end of the third week in August. The feebleness was on the whole most marked during the period 6th to 21st August when a more or less complete break in the rains obtained over practically the whole of north west and central India and the Peninsula. The current intensified considerably during the last nine days of August and was moderately strong until September 13th or 14th, when it retreated finally from upper India. The Bay current was established in Bengal nearly a fortnight after its normal date: it was decidedly more vigorous than the Arabian Sea current and gave satisfactory rain over the greater part of its field.

(*a*) As happened in 1904, the precipitation in the field of the Bay current contrasted very favourably with that in the region of the Arabian Sea current, being 5 per cent. in excess in the former and 26 per cent. in defect in the latter area:—

Field of	Rainfall of period, June to September.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Arabian Sea current	27·81	37·44	—9·63	—26
Bay of Bengal ,,	52·43	49·81	+2·62	+ 5

(*b*) The rainfall was somewhat irregularly distributed in the area usually served by the Bay current, there being an excess in Burma, Assam, Bengal and Bihar and a defect in the United Provinces, Orissa and Ganjam. The departures from normal were generally small except in the United Provinces and Orissa where the deficiency averaged 26 and 23 per cent. respectively:—

Area.	Rainfall of period June to September.				Rainfall of period June to October.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	"	"	"	"	
Burma	101·73	90·91	+10·82	+12	108·62	97·71	+10·91	+11
Assam	77·52	70·07	+ 7·45	+11	88·60	75·64	+12·96	+17
Bengal	66·03	57·56	+ 8·47	+15	71·52	62·23	+ 9·29	+15
Orissa	33·06	43·17	—10·11	—23	35·98	48·85	—12·87	—26
Bihar	50·69	41·85	+ 8·84	+21	51·11	44·45	+ 6·66	+15
Chota Nagpur	42·64	45·69	— 3·05	— 7	43·47	48·50	— 5·03	—10
United Provinces of Agra and Oudh.	25·73	34·54	— 8·81	—26	25·85	36·10	—10·25	—28
Ganjam	26·31	27·09	— 0·78	— 3	28·81	34·11	— 5·30	—16

(*c*) In the region of the Arabian Sea current the precipitation was everywhere below the normal, the defect being least in the Central Provinces, Berar and Madras and greatest in Sind and Rajputana which received less than half of their normal quantity:—

Area.	Rainfall of period, June to September.				Rainfall of period, June to October.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"		"	"	"	
Punjab	9·75	14·06	— 4·31	—31	9·82	14·29	— 4·47	—31
Sind	1·48	5·49	— 4·01	—73	1·48	5·51	— 4·03	—73
Rajputana	6·53	16·83	—10·30	—61	6·53	16·97	—10·44	—62
Gujarat	25·43	32·92	— 7·49	—23	25·48	33·73	— 8·25	—24
Central India	23·46	35·76	—12·30	—34	23·46	36·74	—13·28	—36
Central Provinces	40·43	44·29	— 3·86	— 9	40·69	46·14	— 5·45	—12
Berar	25·33	27·88	— 2·55	— 9	25·60	29·73	— 4·13	—14
Konkan	63·87	105·56	—41·69	—39	67·53	110·05	—42·52	—39
Bombay Deccan	17.81	26·97	— 9·16	—34	19·80	30·14	—10·34	—34
Mysore	14·62	20·65	— 6·03	—29	20·13	26·15	— 6·02	—23
Hyderabad	20·98	26·59	— 5·61	—21	23·02	29·38	— 6·36	—22
Malabar	93·56	100·61	— 7·05	— 7	107·75	109·95	— 2·20	— 2
Remainder of Madras	10·29	11·72	— 1·43	—12	19·46	19·01	+ 0·45	+ 2

(*d*) The deficiency was persistent throughout the period in the United Provinces, Sind, Rajputana, Central India and the Konkan, though on the whole more marked in June and August than in the other two months:—

Area.	Percentage departure from normal rainfall.			
	June.	July.	August.	September.
United Provinces of Agra and Oudh.	— 86	—16	— 15	—14
Sind	—160	—43	—100	—79
Rajputana	— 84	—56	— 89	— 6
Central India	— 86	— 4	— 48	— 9
Konkan	— 57	—23	— 46	—43

(*e*) The rains in upper India ended on the 14th September which is about the usual date.

(*f*) Baluchistan, Afghanistan and Kashgar obtained even less rain than usual.

The precipitation was on the other hand well above the normal in Ladak, Gilgit, south Arabia and the Indian Ocean as represented by Seychelles, Zanzibar and Mauritius. The excess at Seychelles occurred mainly in August

and September while that at Zanzibar lasted throughout the period :—

Station.	Rainfall of period, June to September.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Mauritius	8·81	7·93	+0·88	+11
Seychelles	20·58	16·39	+4·19	+26
Zanzibar	11·56	7·77	+3·79	+49
Aden	1·24	0·31	+0·93	+300
Perim	0·02	0·47	−0·45	−96
Baghdad	0·02	0·09	−0·07	−78
Ispahan	0·09	0·06	+0·03	+50
Bushire	0	0	0	0
Meshed	0·33	0·27	+0·06	+22
Chaman	0	0·23	−0·23	−100
Quetta	0	1·92	−1·92	−100
Kabul	0·14	0·62	−0·48	−77
Gilgit	2·79	1·78	+1·01	+57
Kashgar	0·40	2·13	−1·73	−81
Leh	1·59	1·31	+0·28	+21

IV.—The retreating south-west monsoon period.

Weather was abnormally dry during this period over the greater part of the country. The retreating monsoon current was weaker than usual and was determined chiefly to Burma, Assam and Bengal. Two disturbances originated over the Bay, one in October and the other in December, but both failed to concentrate into regular storms. They however occasioned moderately heavy rain in Burma, Bengal and Assam. The dispersion of the second disturbance was followed on the 10th by the final withdrawal of the humid south-west wind from the Bay about a week earlier than usual. Conditions were very unsettled in the Punjab and the mountain zone to the north and west during the second half of December. Two storms of the cold weather affected that region and occasioned fairly heavy rain and snow.

(*a*) The rainfall due to the retreating monsoon was on the whole favourable in Burma, Assam and Bengal; the excess was large in Assam which obtained double the normal quantity :—

Area.	Rainfall of period, October to December.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	8·45	8·54	−0·09	−1
Assam	12·76	6·85	+5·91	+86
Bengal	5·88	5·42	+0·46	+8

(*b*) The total precipitation of the period was on the other hand deficient in the Peninsula with the exception of Malabar; also in Bihar, the United Provinces, Chota Nagpur, Gujarat and Central India, which usually obtain moderate rain during the first half of the period.

The deficiency was greatest in the United Provinces, Rajputana, Gujarat, Central India, the Central Provinces and Berar which received less than eleven per cent. of their normal supply.

Area.	Rainfall of period, October to December.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Orissa	2·97	7·31	−4·34	−59
Bihar	0·44	2·89	−2·45	−85
Chota Nagpur	0·94	3·36	−2·42	−72
United Provinces of Agra and Oudh.	0·21	2·02	−1·81	−90
Sind	0·09	0·22	−0·13	−59
Rajputana	0·03	0·61	−0·58	−95
Gujarat	0·07	1·15	−1·08	−94
Central India	0·04	1·63	−1·59	−98
Central Provinces	0·27	2·59	−2·32	−90
Berar	0·28	2·72	−2·44	−90
Konkan	4·36	5·43	−1·07	−20
Bombay Deccan	2·31	4·19	−1·88	−45
Mysore	6·47	8·65	−2·18	−25
Hyderabad	2·04	4·11	−2·07	−50
Ganjam	2·76	10·40	−7·64	−73
Malabar	16·58	13·55	+3·03	+22
Remainder of Madras	13·32	15·82	−2·50	−16

(*c*) The precipitation exceeded the normal in the Punjab owing to the early commencement of the cold weather rains.

(*d*) The precipitation of the period was very irregularly distributed in regions to the north and west of upper India, being in excess in Afghanistan and Baluchistan and below the normal in Persia, eastern Turkistan and Ladak. The almost entire absence of rain in Persia would appear to suggest that the actions giving rise to the unusually disturbed weather of December in the Punjab and the mountain zone to the west were local rather than general. The precipitation was irregularly distributed in the equatorial region, being normal in amount at the

Seychelles and 16 per cent. in defect at Zanzibar.

Station.	Rainfall of period, October to December.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Seychelles	31·57	31·54	+0·03	0
Zanzibar	14·05	16·68	−2·63	− 16
Aden	0·03	0·61	−0·58	− 95
Perim	0·23	0·19	+0·04	+ 21
Baghdad	0·28	2·60	−2·32	− 89
Ispahan	0·50	1·67	−1·17	− 70
Bushire	1·45	5·11	−3·66	− 72
Meshed	1·16	1·63	−0·47	− 29
Chaman	5·02	1·22	+3·80	+311
Quetta	3·67	1·21	+2·46	+203
Kabul	2·79	1·33	+1·46	+110
Gilgit	0·28	0·34	−0·06	− 18
Kashgar	0	0·27	−0·27	−100
Leh	0·29	0·43	−0·14	− 33

The year.—According to Table XXX, which is based on the whole of the available rainfall data of the country including Burma, the precipitation of the year in the plains was 2·91" or 6 per cent. below the normal.

The deficiency was shown solely in the wet season June to December for which period it averaged 8 per cent. in amount. In the dry season January to May there was on the other hand an excess of 13 per cent.

The statement below shows the seasonal distribution of rainfall in the plains of India :—

Period.	Rainfall of India, including Burma.				Rainfall of India, excluding Burma.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"		"	"	"	
Cold weather	1·33	0·97	+0·36	+37	1·44	1·04	+0·40	+38
Hot weather	5·89	5·41	+0·48	+ 9	5·12	4·46	+0·66	+15
South-west monsoon	37·38	40·09	−2·71	− 7	30·38	34·57	−4·19	−12
Retreating south-west monsoon.	4·13	5·17	−1·04	−20	3·66	4·80	−1·14	−24
Whole year	48·73	51·64	−2·91	− 6	40·60	44·87	−4·27	−10

The figures in the above table are, it may be noted, the arithmetical means (irrespective of the extent of area represented by each station), of the rainfall data of about 2,300 rain-gauge stations. The local distribution was characterized by much less irregularity than is frequently the case. Those parts of the country which as a rule receive their supply of rainfall solely from the Bay current had a total fall more or less above the normal ; while those which depend mainly on the Arabian Sea current or upon both branches of the monsoon had less than the usual amount. The region of greatest deficiency was defined by Sind and Rajputana where the total rainfall of the year was less than 40 per cent. of the normal amount :—

Province or Division.	Annual rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	123·40	113·91	+ 9·49	+ 8
Assam	118·08	110·17	+ 7·91	+ 7
Bengal	92·51	76·86	+15·65	+20
Orissa	47·11	57·51	−10·40	−18
Bihar	58·07	49·13	+ 8·94	+18
Chota Nagpur	53·23	54·16	− 0·93	−2
United Provinces of Agra and Oudh.	29·44	39·15	− 9·71	−25
Punjab and North-West Frontier Province.	16·12	19·09	− 2·97	−16
Sind	2·73	6·63	− 3·90	−59
Rajputana	7·27	18·49	−11·22	−61
Gujarat	25·59	34·48	−8·89	−26
Central India	24·72	38·73	−14·01	−36
Central Provinces	44·07	49·17	− 5·10	−10
Berar	26·48	32·10	− 5·62	−18
Konkan	68·98	113·15	−44·17	−39
Bombay Deccan	21·54	33·32	−11·78	−35
Mysore	27·97	34·60	− 6·63	−19
Hyderabad	25·42	32·77	− 7·35	−22
Ganjam	37·20	41·56	− 4·36	−10
Malabar	119·20	125·43	− 6·23	− 5
Remainder of Madras	28·62	31·98	− 3·36	−11

The following gives for the past 15 years the departures of the mean annual rainfall of the country as derived from the data of about 2,400 rain-gauge stations.

Year.	Annual rainfall of India.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
1891	51·52	55·61	— 4·09	— 7
1892	57·09	53·59	+ 3·50	+ 7
1893	61·66	53·21	+ 8·45	+ 16
1894	61·15	53·53	+ 7·62	+ 14
1895	49·22	53·11	— 3·89	— 7
1896	47·81	52·15	— 4·34	— 8
1897	52·70	51·31	+ 1·45	+ 3
1898	52·32	51·38	+ 0·94	+ 2
1899	45·01	51·78	— 6·77	—13
1900	51·53	52·00	— 0·47	— 1
1901	48·14	51·89	— 3·75	— 7
1902	50·55	51·70	— 1·14	— 2
1903	52·97	51·59	+ 1·38	+ 3
1904	49·40	51·56	— 2·16	— 4
1905	48·72	51·64	— 2·92	— 6

Similar data for India, excluding Burma, are given below:—

Year.	Annual rainfall of India, excluding Burma.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
1891	43·91	48·57	— 4·66	—10
1892	49·99	46·03	+ 3·96	+ 9
1893	54·57	45·78	+ 8·79	+19
1894	53·80	45·97	+ 7·83	+17
1895	42·86	45·67	— 2·81	— 6
1896	39·39	45·02	— 5·63	—13
1897	46·07	44·94	+ 1·13	+ 3
1898	45·96	45·02	+ 0·94	+ 2
1899	37·35	45·08	— 7·73	—17
1900	44·85	45·32	— 0·47	— 1
1901	41·05	45·32	— 4·27	— 9
1902	44·02	44·89	— 0·87	— 2
1903	46·81	44·79	+ 2·02	+ 5
1904	40·81	44·77	— 3·96	— 9
1905	40·60	44·87	— 4·27	—10

These data differ slightly from those given in the following statement which is based on the returns of about 450 stations selected by the late Mr. Blanford as representative of the rainfall conditions in India. In the calculation of these averages allowance is made for the area represented by each station:—

Year.	Number of divisions.			Rainfall.			
	Fall excessive.	Fall normal.	Fall deficient.	Actual.	Normal.	Departure from normal.	Percentage departure.
				"	"	"	
1875	16		8	43·47	41·09	+2·38	+ 6
1876	6		18	36·60	41·09	—4·49	—11
1877	10		14	36·81	41·09	—4·28	—10
1878	17	1	6	47·43	41·09	+6·34	+15
1879	16	2	6	42·78	41·09	+1·69	+ 4
1880	13	1	10	39·53	41·09	—1·56	— 4
1881	15		9	41·19	41·09	+0·10	0
1882	17	1	6	43·73	41·09	+2·64	+ 6
1883	11	1	12	40·97	41·09	—0·12	0
1884	12		10	42·82	41·09	+1·73	+ 4
1885	15		7	42·14	41·09	+1·05	+ 3
1886	14		8	44·11	41·09	+3·02	+ 7
1887	11		11	43·51	41·09	+2·42	+ 6
1888	10		12	39·55	41·09	—1·54	— 4
1889	15		8	43·50	41·09	+2·41	+ 6
1890	14	1	8	41·77	41·09	+0·68	+ 2
1891	6		17	37·55	41·09	— 3·54	— 9
1892	15		8	46·18	41·09	+5·09	+12
1893	22		1	50·16	41·09	+9·07	+22
1894	17		6	47·56	41·09	+6·47	+16
1895	5		17	38·90	41·09	—2·19	— 7
1896	7	2	14	36·26	41·09	— 4·83	—12
1897	10	2	11	40·94	41·09	—0·15	0
1898	10	3	10	41·52	41·09	+0·43	+ 1
1899	6		17	29·95	41·09	—11·14	—27
1900	10		13	40·52	41·09	—0·57	— 1
1901	5		18	36·96	41·09	—4·13	—10
1902	8		15	39·04	41·09	—2·05	— 5
1903	9	4	10	43·06	41·09	+1·97	+ 5
1904	7	2	14	36·32	41·09	—4·77	—12
1905	8		15	35·51	41·09	—5·58	—14

HEM RAJ.

Concluding Summary.

In the preceding sections an account has been given of the various climetic elemants from the standpoint of India and the immediately surrounding areas. An attempt will now be made to trace some of the antecedent features in the monsoon region generally by which the Indian weather appears to have been influenced.

The cold weather period, 1905.

Since the winter precipitation in northern India is believed to originate in the upper current of air flowing northwards from the equator it is not unnatural to expect an increase in that precipitation when

(*a*) increased ascensional movement in the equatorial regions shows itself in increased rainfall at Zanzibar and Seychelles in November.

(*b*) when the horizontal gradients in the upper atmosphere are unusually favourable. As regards (*a*) the following table contains the data available since 1877: in it the years given refer to the data for October and November. The details of rain and snow apply to the subsequent period December to March. Very large departures in snowfall are indicated by doubled signs.

Year.	Zanzibar rainfall departure.		Seychelles rainfall departure.		Departure of horizontal gradient, Wellington minus mean of Ranikhet and Murree.	Subsequent rainfall departure in	Cold weather snow in
	October.	November.	October.	November.	November.	Northern India.	Western Himalayas.
	"	"	"	"	"	"	
1877	+ 2·14	+ 5·25	...	...	...	+ 1·07	+
1878	—1·27	—2·91	...	...	...	—0·76	—
1879	...	...	...	...	...	—0·73	—
1880	...	—4·02	...	...	+ ·014	—0·24	—
1881	—0·67	—2·14	...	...	+ ·018	—0·51	—
1882	—0·41	—0·75	...	...	—·023	+ 0·14	—
1883	—2·74	—4·70	...	...	+ ·017	—0·82	+
1884	+ 0·14	+ 2·15	...	...	—·002	—0·19	+
1885	...	...		...	—·022	+ 0·98	+
1886	...	...	...	...	0	—0·60	—
1887	...	...	...	...	—·003	+ 0·52	—
1888	...	...	...	...	+ ·018	+ 0·46	0
1889	+ 4·25	—4·99	...	...	+ ·018	—1·07	—
1890	...	...	...	...	+ ·018	+ 1·25	+ +
1891	+ 0·60	—1·75	...	...	—·002	—0·85	— —
1892	—2·93	—0·59	...	...	+ ·039	+ 1·53	+ +
1893	—0·02	+ 3·68	...	...	—·029	+ 0·77	+
1894	+ 0·37	+ 9·32	—0·84	+ 1·80	0	+ 1·08	0
1895	—2·59	+ 0·27	+ 1·27	—2·87	+ ·005	—0·73	—
1896	+ 3·02	+ 6·00	—1·10	+ 4·39	—·027	—0·26	+
1897	+ 0·97	—4·52	—0·61	—0·71	—·020	+ ·42	—
1898	—2·48	—0·49	—0·14	—8·55	—·020	—0·62	—
1899	—2·98	—2·41	+ 3·27	5·03	+ ·001	—0·43	—
1900	+ 1·25	—0·43	+ 2·27	+ 14·04	—·003	+ 1·21	+
1901	—1·63	—1·35	+ 0·12	—2·49	—·031	—1·11	—
1902	+ 2·59	—0·53	+ 3·79	—1·76	—·018	—0·63	+
1903	—0·76	—0·29	—2·92	—0·08	+ ·002	+ 0·73	+
1904	+ 1·53	+ 7·48	—1·99	+ 11·86	+ ·029	+ 0·87	+ +
Normal amount	3·79	7·86	4·81	12·17	·158	1·47	...

It will be seen that the rainfall either at Zanzibar or Seychelles or both was over 2·2″ in excess in November in 1877, 1893, 1894, 1896, 1900 and 1904; in each of these six years, the subsequent snowfall was normal or in excess, and in all except 1896, when the rainfall departure was only—0·26, the winter rains were in excess. For cases of diminished rainfall the corresponding relation exists: years of larger deficiency than 1·8″ in the sub-equatorial rainfall of November have been 1878, 1880, 1881, 1883, 1889, 1895, 1897, 1898, 1899 and 1901: of these ten years the November was in eight cases followed by less snow and less rain than the average, and in the remaining years 1883 and 1897 the amounts of either the subsequent snow or subsequent rain were above normal. Between the sub-equatorial rainfall in October however and the subsequent precipitation in northern India the connection is scarcely appreciable. When the methods of statistics are applied in their simplest form the correlation coefficient* between the winter rainfall and the mean of the departures of Zanzibar and Seychelles rainfall in November is + ·5, with a probable error of about ·1. The precipitation of the season at the beginning of 1905 was thus fully in accord with the relationship in question.

It must however be admitted that there are reasons for suspecting that the apparent closeness of this relationship is largely due to accidental circumstances, and that further experience will diminish considerably the correlation coefficient. The connections of the Zanzibar rainfall of November both with the subsequent Indian cold weather precipitation and with the sunspot number of the year are widely different from those of the preceding and following months, and this is in itself so improbable that it seems advisable to regard the November connections as to an uncertain extent doubtful.

* The correlation coefficient of two quantities expresses the fraction of the variations of either which is determined by those of the other.

For the horizontal gradient in the upper atmosphere, it is convenient to take the difference between the pressure at Wellington whose elevation is 6,200 feet and the mean of the pressures at Ranikhet and Murree, the elevations of these stations being 6,069 and 6,333 feet and that of their mean 6,201 feet; the departure of this pressure difference from normal is contained in the sixth column of the table.

A numerical examination of the table shows a slightly favourable influence of an abnormally strong gradient but the connection is not close, the correlation coefficient being +·22. The excessive cold weather precipitation of 1904-5 may thus be regarded as determined rather by the heavy sub-equatorial rainfall of November 1904 than by the horizontal gradients in the upper air.

The character of the vertical pressure gradients of Sind and upper India during November, 1904 may be gathered from the accompanying table in which are given the departures from normal of the excess of pressure in the plains above pressure at four representative hill stations: the pressure in the plains is not that of any particular observatory, but is estimated in each case from the pressure chart as that at a point in the plains nearest to the hill station in question.

Hill station.	Murree.	Leh.	Simla.	Chakrata
	"	"	"	"
Departure of pressure difference .	+·004	—·005	+·009	+·012

It has been pointed out that large pressure differences tend to be followed by large precipitation, and the correlation coefficient with the cold weather rainfall of December to March of the mean of departures of pressure differences corresponding to the stations of Leh, Quetta and Simla works out as +·31.

It will be seen however that no clear indication was afforded of the character of the succeeding winter.

The hot weather period, 1905.

During the earlier portion of this season the conditions of the cold weather period still prevailed; precipitation and cloud were accordingly in excess and temperature below normal, especially in northern India. These conditions did not last into May.

The averages over India of the departures from normal of these three elements for the months, March, April and May were:—

	March.	April.	May.
Rainfall	+0·63	—0·09	—0·06
Cloud	+1·2	—0·4	—0·2
Mean temperature	—3·1	—3·0	+1·0

The correlation coefficients of rainfall, cloud and mean temperature with the number of sunspots of the year are:—

	March.	April.	May.
Rainfall	+·28	—·03	+·17
Cloud	+·15	—·20	—·12
Temperature	—·43	—·17	—·13

If therefore the fact be remembered that the probable error of these coefficients is ·12 it will be seen that the weather was on the whole characteristic of a year of maximum sunspots.

The south-west monsoon period, 1905.

Among the most important of the extra-Indian data are the following:—

	Departures from normal.					
	April.	May.	June.	July.	August.	September.
	"	"	"	"	"	"
Mauritius pressure .	+·034	+·026	—·007	—·022	—·003	—·048
Zanzibar rainfall . .	+17·28	+0·02	+0·32	+1·52	+0·87	+1·08
Seychelles rainfall .	—2·62	+3·67	—4·70	—1·77	+3·29	+7·37

The unfavourable influence of excessive rainfall at Zanzibar and Seychelles has been pointed out in the concluding portion of the Annual Summaries of 1903 and 1904, while a more detailed statement of the case will be found on pages 3 and 4 of the monsoon forecast of June 1906*. It will be seen that the rainfall of every month was in excess at Zanzibar from April to September and the average for the period at Seychelles was in moderate excess: the deficiency in monsoon precipitation throughout India except in Bihar, Bengal, Assam and Burma is thus in accordance with previous experience.

Attention was also drawn in paragraph 10 of the June forecast of 1906 to the manner in which moderately heavy snowfall accumulation in May is associated with heavy subequatorial rain. Examples of the former characteristic have been 1891, 1897, 1900, 1901, 1903, 1904, 1905, and 1906 and in each case rainfall at Zanzibar or Seychelles was in excess in April or May. Further 1899 and 1902 are the only cases in which heavy sub-equatorial rain was not associated with a large accumulation of snowfall. It thus appears that the evil influence of heavy snowfall which was noticed by Blandford in 1877† is not necessarily exercised in a direct manner, and this view is strongly

* Memorandum on the meteorological conditions prevailing in the Indian monsoon region before the advance of the south-west monsoon of 1906, with an estimate of the probable distribution of the monsoon rainfall in 1906, dated Simla, 9th June 1906.

† For a fuller statement of this influence see the June forecast of 1906, paragraph 6.

supported by the fact that in half the years of heavy snowfall there is a greater average deficiency in the field of the whole Bombay current in June than in north-west India, the part of it which lies nearer to the region of snowfall.

It was pointed out on page 534 of the Annual Summary of 1904 that the influence of high pressure at Mauritius was decidedly prejudicial; the correlation coefficient of pressure in May with the monsoon rainfall of June to September is —·42 and the influence of the pressure in ensuing months is of the same character. From consideration of the Mauritius pressure data of the preceding table, without taking other factors into account, it would thus be inferred that Indian rainfall in the early part of the monsoon period would be in decided defect and that an improvement would subsequently occur, the total rainfall in September being approximately normal: this is in fair accordance with the facts, the percentage departure of Indian rainfall for the successive months June to September being —32, —4, —14 and +2.

Recent examination of Indian pressure data has brought out several rather curious facts. It has already been stated that low pressure at Mauritius for sometime previous to the breaking of the Indian monsoon is a favourable sign, and it now appears that in years of abundant rainfall this low pressure extends to India during June; previous to June the influence of low pressure is only slightly favourable. It is rather surprising that this influence persists strongly throughout the first half of the next year and still more surprising that in the year previous to the monsoon rainfall in question high pressure, especially in the earlier months, is decidedly beneficial. Thus the correlation co-efficient of the total monsoon rainfall of June to September of any year is —·49 with pressure of the same year, —·36 with pressure of the succeeding year and +·51 with pressure of the preceding year. With Mauritius the corresponding numbers are:— for the same year —·35, for the following year +·02 and for the previous year +·21.

These facts recall at once the pressure oscillations over large areas to which attention was drawn by Blanford in 1880* and the views expressed by Sir John Eliot in his paper on the long and short period pressure oscillations.† (1) that pressure in India and at Mauritius exhibit oscillations lasting several years and executed in opposite directions, and (2) that monsoon rainfall is abundant in years during which Indian pressure is going down and Mauritius pressure is going up. The truer statement would appear to be that (1) in these oscillations Mauritius pressure behaves in a manner on the whole similar to that of India and that (2) monsoon rainfall is abundant after the pressure of both places has diminished.

In order to throw light on these oscillations the correlation coefficients with the individual months of successive years have been tabulated and are contained in the following table, in which, owing to the fact that reliable data for only 29 years are available, the probable error in any coefficient is about ·12.

* Report on the meteorology of 1878, pp. 53, 62; of 1881, p. 81; of 1884, pp. 67, 68.

† Meteorological Memoirs, Vol. VI, Part III, pp. 116—118.

	Coefficient of monsoon rainfall with India pressure of											
	January.	February.	March.	April.	May.	une.	July.	August.	September.	October.	November.	December.
Five years previous . .	+·27	+·09	+·15	+·26	+·05	+·46	+·04	+·18	0	+·09	—·14	—·05
Four ,, ,, . .	+·18	+·04	+·09	—·24	+·08	—·27	0	+·28	—·28	—·10	0	—·06
Three ,, ,, . .	—·33	+·05	+·01	+·09	—·10	—·01	+·04	—·08	—·31	—·35	+·07	—·01
Two ,, ,, .	—·07	—·20	—·23	—·23	—·28	—·02	—·08	+·21	—·05	+·27	+·16	+·35
One year ,, . .	+·26	+·36	+·30	+·34	+·17	+·36	+·37	+·18	+·08	+·11	+·11	+·19
Same year	—·11	—·08	—·13	—·16	—·02	—·29	—·12	—·10	—·62	—·48	—·21	—·18
One year after . . .	—·36	—·26	—·17	—·31	—·59	—·29	—·01	—·09	—·03	—·11	+·27	+·22
Two years ,, . . .	+·10	—·02	—·26	+·10	0	0	+·11	+·18	+·07	+·51	+·30	+·28

It will here be noticed that although, as might have been anticipated, the data show considerable irregularity they become satisfactorily consistent as the year in question is approached: there is further a suggestion in them of a four-yearly period of pressure but the evidence here given is entirely insufficient to establish this.

The following table gives for successive years (*a*) the India pressure departure of the previous year; (*b*) the excess of pressure in the previous year over the mean of the pressures of the year in question and of the succeeding

year; and (*c*) the departure of Indian monsoon rainfall of the year in question.

Year.	Pressure departure of preceding year.	Excess of pressure of preceding year over mean of year and succeeding year.	Percentage departure of monsoon rainfall.
	"	"	
1876	−·007	−·019	− 7
1877	−·007	−·024	−16
1878	+·032	+·038	+14
1879	+·002	+·010	+ 3
1880	−·014	−·014	− 6
1881	−·003	+·001	− 1
1882	+·002	+·009	+ 7
1883	−·010	−·012	+ 1
1884	−·005	−·017	+ 2
1885	+·010	+·005	0
1886	+·014	+·018	+ 4
1887	−·003	−·005	+ 2
1888	−·006	−·013	− 1
1889	+·011	+·013	+ 8
1890	+·004	+·004	+ 4
1891	−·009	−·003	−10
1892	+·010	+·021	+11
1893	−·022	−·016	+ 4
1894	−·001	+·003	+ 7
18 5	−·012	−·013	− 5
1896	+·003	+·006	+ 2
1897	−·001	+ 010	+ 7
1898	−·005	+·002	+ 2
1899	− 018	−·025	−23
1900	+·004	−·003	+ 4
1901	+·010	+·002	−11
1902	+·005	−·001	− 2
1903	+·011	+·012	+ 1
1904	+·001	−·002	− 8
1905	−·003	+·002	−12

It will be seen that considering the years in which the pressure departure of the preceding year exceeded ·010, the sign of the departure of the monsoon rainfall was the same as that of the preceding pressure 7 times out of 8; and that the cases in which the departures of the third column exceed ·010 give the right sign for the monsoon rainfall in 11 years out of 14.

Thus the data of the second and third columns taken alone would suggest that the rainfall of 1905 had been approximately normal.

Period of the retreating south-west monsoon, 1905. Attention was drawn in pages 536, 7 of the Annual Summary of 1904 to the prejudicial influence on the rainfall of this period in the Peninsula of (*a*) heavy rain at Zanzibar in May, (*b*) heavy rain at Zanzibar or Seychelles in September, and (*c*) of high pressure at Mauritius in September. In 1905 although Zanzibar rainfall in May was normal, that in April was the largest on record; and rainfall at both Zanzibar and Seychelles was in excess in August as well as September. Thus the conditions of subequatorial rainfall were decidedly unfavourable.

On the other hand pressure at Mauritius was in defect by ·048″, an unusually large amount and this fact taken alone would be a good sign: this deficiency in pressure diminished to ·016″ in October and ·005″ in November. It appears possible that but for the exceptionally favourable pressure conditions south of the equator in September, rainfall in October would not have been up to the average over a considerable area in the Peninsula; it is also consistent with this view that in November, as the pressure conditions had become less favourable, rainfall diminished considerably.

GILBERT T. WALKER.

TABLE I.—Abstract of Observations taken at 8 h. at 228 Stations in India, Burma, etc., in the year 1905.

Table

Abstract of observations taken at 8 h

Number of rainfall division.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 h. in inches. Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Temperature of Air. Mean of 8 h. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	I.—Burma Coast and Bay Islands.			+·017							87·4	−0·4	73·6	+0·4	80·5	0	13·8			38·4	22·2
1	Car Nicobar	25	29·880?		29·833?	30·046	29·664	·382	·149	81·0	87·4		77·3		82·		10·0	93·4	70·0	23·4	16·6
	Port Blair	61	29·880	+·030	29·872	30·106	29·622	·484	·182	80·1	87·0	−0·3	77·7	+0·7	82·4	+0·2	9·3	96·1	68·6	27·5	16·7
	Mergui	96	29·857	+·024	29·884	30·069	29·616	·423	·190	78·7	87·4	−0·2	73·2	+2·0	80·3	+1·0	14·2	97·9	62·3	35·6	23·1
	Tavoy	19(a)	29·938	+·019	29·889	30·174	29·671	·503	·205	76·6	87·9	0	71·5	+0·3	79·7	+0·1	16·4	98·2	54·5	43·7	25·5
	Moulmein	94	29·835	+·011	29·868	30·129	29·526	·603	·240	77·1	88·5	+0·4	72·9	+0·5	80·7	+0·5	15·7	99·4	60·4	29·0	24·0
2	Rangoon	57	29·866	+·013	29·862	30·152	29·509	·643	·237	76·9	88·6	−0·9	73·3	+0·5	80·9	−0·2	15·3	103·6	59·7	44·9	23·6
	Bassein	27?	29·895	+·021?	29·860	30·197	29·501	·696		76·6	87·9	−0·2	72·7	+0·6	80·3	+0·2	15·2	101·2	59·0	42·2	23·8
	Diamond Island	41	29·877	+·009	29·853	30·180	29·461	·719	·236	80·0	84·4	−1·1	76·1	+0·9	80·3	−0·1	8·3	92·4	68·2	24·2	14·9
5	Akyab	20	29·882	+·010	29·845	30·225	29·453	·772	·268	75·0	84·6	−1·6	71·7	−0·5	78·2	−1·1	12·8	94·9	51·1	43·8	23·1
3	Toungoo	183	29·733	+·016	29·860	30·076	29·416	·660	·241	75·7	90·3	0	69·4	−1·3	79·8	−0·7	20·9	108·3	45·1	59·2	30·7
	II.—Burma Inland.			+·008							88·3	−2·1	68·9	−0·1	78·6	−1·1	19·4			59·3	31·3
3	Thayetmyo	121(b)	29·779	+·011	29·843	30·163	29·415	·748	·258	77·0	91·0	−0·8	69·3	−0·3	80·2	−0·5	21·7	108·5	41·5	67·0	33·1
	Minbu	*165*	29·725	+·001	29·837	30·124	29·358	·766	·260	75·8	90·0	−2·2	71·1	0	80·6	−1·1	18·9	109·1	51·0	58·1	30·3
	Yamethin	657	29·220	−·001?	29·849	29·585	28·914	·671	·254	74·9	89·5	−2·7	69·7	+0·2	79·6	−1·2	19·8	105·3	50·2	55·1	30·5
	Monywa	*280*	29·641		29·860	30·022	29·312	·710	·274	75·1	89·7		69·8		79·7		19·9	106·2	46·8	59·4	31·8
	Mandalay	250	29·642	+·012	29·844	30·026	29·305	·721	·272	76·4	91·5	−0·9?	71·6	+0·4	81·5	−0·3?	19·9	108·6	50·2	58·4	31·7
	Myitkyina	458	29·432		29·857	29·842	29·094	·748	·297	70·9	82·9		65·8		74·4		17·1	100·9	41·3	59·6	30·4
	Bhamo	*381*	29·524	+·025?	29·871	29·943	29·181	·762	·276	69·6	83·8	−2·8	64·9	−0·2	74·4	−1·5	18·9	99·5	42·2	57·3	31·5
(a)	Maymyo	3,545	26·429*		26·374*	26·661	26·171	·490	·242*	64·6	76·1		57·5		66·8		18·6	91·9	32·6	59·3	29·1
	Lashio	*2,751*	27·039*	−·011*	27·035*	27·353	26·828	·525	·240*	65·2	81·1	−1·5	59·6	−0·5	70·4	−1·0	21·5	96·5	38·1	58·4	31·3
	III—Assam.			+·010							81·8	−1·7	65·6	−1·1	73·7	−1·4	16·2			57·1	28·3
7	Silchar	104	29·800	+·012	29·859	30·214	29·354	·860	·289	71·6	84·3	−1·8	67·0	−0·6	75·7	−1·2	17·4	98·1	41·5	56·6	29·1
9	Sibsagar	333	29·569	+·002	29·869	30·010	29·166	·844	·304	68·5	79·6	−2·2	65·0	−0·8	72·4	−1·5	14·6	94·7	37·5	57·2	25·8
	Dhubri	115	29·768	+·016	29·842	30·216	29·338	·878	·298	70·7	81·7	−1·2	66·2	−2·0	73·9	−1·6	15·6	93·2	37·3	55·9	28·5
	Gauhati	195	29·706		29·863	30·142	29·289	·853	·307	69·9	83·4		65·3		74·4		18·1	95·0	37·5	57·5	29·8
	Tezpur	252	29·639		29·857	30·058	29·240	·818	·308	69·1	82·0		66·2		74·1		15·8	97·2	43·5	53·7	26·8
	Dibrugarh	353	*29·546*		*29·870*	29·991	29·163	·828	·302	67·9	79·8		64·1		72·0		15·7	101·7	39·9	61·8	29·8
	IV.—Bengal and Orissa.			+·017							85·1	−1·5	68·8	−0·8	77·1	−1·2	16·4			58·6	29·2
6	Chittagong	87	29·807	+·015	29·844	30·190	29·357	·833	·285	73·8	83·4	−1·3	68·7	−0·8	76·1	−1·1	14·8	92·5	46·6	45·9	28·7
	Noakhali	43	29·834		29·825	30·239	29·377	·862	·285	74·5	83·2		68·6		75·9		14·6	92·7	41·5	51·2	26·2
	Comilla	36	29·848		29·832	30·250	29·360	·890	·284	73·0	84·7		71·1*		78·9*		15·2*	95·3	51·3	44·0	26·0
	Sirajganj	49	29·832		29·832	30·268	29·307	·961	·284	71·7	83·8		67·3		75·8		16·5	99·3	38·1	61·2	30·6
	Narayanganj	26	29·862	+·029	29·837	30·293	29·387	·906	·288	73·7	84·9	−1·5	69·7	−0·8	77·3	−1·2	15·2	95·1	43·7	51·4	26·3
	Barisal	13	29·870	+·023	29·828	30·292	29·338	·894	·284	75·6	84·5	−1·6	69·7	−0·8	77·1	−1·2	14·8	95·3	42·4	52·9	27·8
	Mymensingh	63	29·826	+·017	29·841	30·263	29·360	·903	·284	72·3	83·3	−1·0	67·7	−0·7	75·5	−0·9	15·6	95·2	39·7	55·5	27·4
	Faridpur	46	29·836		29·833	30·272	29·345	·927	·277	73·5	84·1		68·0		76·1		16·1	96·8	42·0	54·8	28·1
10	Jessore	33	29·834	+·012	29·815	30·294	29·363	·931	·275	74·4	85·0	−2·8	69·0	−0·9	77·0	−1·9	16·0	102·5	43·1	59·4	28·8
	Calcutta (Alipore)	21	29·847	+·016	29·814	30·159	29·366	·793	·277	74·6	86·0	−0·6	69·8	−0·8	77·9	−0·7	16·2	106·1	45·9	60·2	29·2
	Saugor Island	25	29·834	+·009	29·803	30·292	29·346	·946	·284	76·7	85·3	−0·2	72·7	−1·1	79·0	−0·7	12·6	98·4	45·9	52·5	24·7
	Krishnagar	47	29·817		29·813	30·280	29·314	·966	·281	73·0	86·5		68·3		77·7		17·7	103·6	39·4	64·2	31·6
	Midnapore	149	29·709		29·808	30·180	29·227	·953	·260	75·0	87·5		70·0		78·8		17·5	111·9	45·2	66·7	30·4
11	Bankura	298	29·540		29·810	30·016	29·029	·987	·271	74·3	88·2		69·4		78·8		18·8	111·6	44·8	67·0	32·4
	Raniganj	334	29·534		29·827	30·002	29·022	·980	·273	71·8	87·3		67·9		77·6		19·4	109·5	42·2	67·3	33·2

(a) 26 feet upto 10th June 1905.
(b) 130 feet upto 10th February 1905.
N.B.—Elevations in italics indicate barometrical determinations.

NOTE 1.—When a query is inserted against any reading or in the returns of an
NOTE 2.—The data from which divisional means

* Mean of 10 months.

I.

at 228 stations in India, Burma, etc., in the year 1905.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity. Mean daily velocity in miles per hour, instrumental errors uncorrected.	Normal (uncorrected.)	Percentage departure from normal.	Mean velocity corrected (where possible).	Hygrometry, 8 h. Mean humidity at 8 h. of year.	Departure from normal of year.	Mean vapour tension at 8 h. of year.	Departure from normal of year.	Cloud. Mean amount at 8 h. of year.	Departure from normal of year.	Rainfall. Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.	Heaviest rainfall during year.	Station.	Number of district.
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
													86	+1	·826	+·005	5·1	−0·5				139·01	141·37	+5·90		I—Burma Coast and Bay Islands.	
73	22	58	20	19	10	75	2	2	4·6			4·6	83		·879		8·7		104			64·68			4·65	Car Nicobar†	1
2	19	91	12	16	14	76	73	62	7·9	7·4	+7		86	0	·885	−·010	6·0	0	119			101·16	117·63	−16·47	5·41	Port Blair.	
243	12	24	21	28	14	8	5	7	2·7	1·8	+50	2·4	87	+2	·842	+·026	3·6	−1·7	147	154·20	−7·20	147·31	168·37	−21·06	4·10	Mergui.‡	
353						7	3	2	1·4				89	+2	·803	+·002	3·7	−1·4	141	147·36	−6·30	237·17	209·28	+27·89	8·71	Tavoy.	
184	14	23	8	30	47	37	14	8	3·1	2·8	+11	3·5	86	−1	·801	+·001	5·4	+0·5	139	140·60	−1·60	181·92	183·92	−2·00	10·55	Moulmein	
110	22	41	20	17	62	4	42	35	5·4	4·4	+23	4·6	87	−1	·807	+·002	5·0	0	124	123·10	+0·90	104·98	96·78	+8·20	4·60	Rangoon§	2
16	38	34	12	39	49	50	49	78	6·0	3·8	+58		88	0	·817	0	4·3	−0·6	124	128·50	−4·50	116·08	112·00	+4·08	4·39	Bassein.	
15	41	70	21	18	15	70	33	82	10·5	7·1	+48	10·5	80	+1	·834	+·017	4·7	−0·7	122	120·44	+1·56	112·31	116·08	−3·77	4·16	Diamond Island.	
2	122	161	8	71	28	19		14	4·3	3·7	+16	4·1	90	+2	·810	+·005	4·1	−1·0	124	118·70	+5·30	235·50	189·20	+46·30	12·34	Akyab	5
118	23	6	7	107	28	16	5	54	7·8	3·0	+160	7·8	86	0	·784	+·006	5·2	0	115	113·60	+1·40	88·99	79·11	+9·88	3·76	Toungoo	3
													81	+2	·708	0	5·1	+0·4				50·16	40·05	+0·87		II.—Burma Inland.	
25	42	8	32	22	142	17	52	23	6·2	5·1	+22		79	+3	·761	+·053	3·9	−0·3	83	72·50	+10·50	42·48	36·72	+5·76	1·56	Thayetmyo	3
45	10	3		149	25	31	16	86	5·5			6·5	77	+2	·705	+·003	3·8	+0·4	55	50·50	+4·50	33·06	31·85	+1·20	2·60	Minbu	4
125	32	1		116	64	1		24	2·7			2·8	80	+2	·708	+·006	5·7	+3·0	60	61·20	−1·20	35·79	37·56	−1·77	4·60	Yamethin. ‖	
158	5			22	80	19	26	55	2·9			3·0	80		·722		4·9		46	44·60	+1·40	37·53	28·39	+9·14	5·64	Monywa.	
155	27	12	3	10	100	52		6	3·6			3·6	76	+1	·703	−·007	6·1	+1·8	53	47·50	+5·50	40·60	32·36	+8·24	5·53	Mandalay.	
123	27	46	102	50	7	3	3	3	3·2			3·2	87		·683		6·3		118			105·70			4·93	Myitkyina.¶	
178	30	75	26	3	9	11	11	22	2·6			3·1	90	+3	·673	−·001	4·9	−0·2	108	99·80	+8·20	55·99	73·38	−17·39	2·85	Bhamo	
131	8	33	17	10	49	83	28	6	2·6				85		·537		4·6		102	90·70	+11·30	62·06	58·95	+3·11	4·50	Maymyo	4(a)
204	14	33	12	20	27	37	6	12	3·7				87	+1	·563	+·002	6·0	−0·7	100			53·70	61·28	−7·58	2·20	Lashio.	
													90	0	·686	−·011	6·6	+0·6				94·84	94·07	+0·77		III—Assam.	
365									0·2	2·7	−93	0·3	88	0	·713	−·014	5·3	−1·1	151	136·80	+14·20	131·64	124·87	+6·77	5·50	Silchar	7
177	13	98	2	19	6	28	1	21	2·3	2·4	−4	2·1	95	0	·699	−·012	8·9	+1·8	117	125·00	−8·00	90·60	96·21	−5·41	3·96	Sibsagar	9
103	7	57	132	26	16	18	4	2	3·8	4·7	−19	4·4	86	−1	·692	−·006	6·1	+1·2	105	92·50	+12·50	118·18	93·28	+24·90	6·11	Dhubri.	
219	36	37	13	11	26	14	7	2	1·4			1·6	88		·663		5·7		104	91·51	+12·49	60·04	63·39	−3·35	2·20	Gauhati.	
201	1	81	72	1		8	1		3·1			3·3	89		·674		6·0		112	103·90	+8·10	83·10	71·66	+11·44	3·06	Tezpur.	
187	33	66	47	8	10	4	4	6	1·4			1·3	92		·654		6·4		137	131·80	+5·20	85·26	114·99	−29·73	3·14	Dibrugarh.	
													83	0	·727	−·018	4·5	+0·3				86·02	71·99	+14·03		IV.—Bengal and Orissa.	
20	39	117	16	120	39	8	1	5	5·2	5·1	+2	4·7	86	−1	·743	−·020	4·5	−0·5	119	96·42	+22·58	152·47	96·52	+55·95	10·67	Chittagong	6
61	17	15	31	75	78	13	27	48	4·0			4·4	86		·768		4·3		126	109·36	+16·64	142·90	113·68	+29·22	4·84	Noakhali.	
117	12	15	20	89	89	11	5	7	4·2			3·5	87		·743		4·3		116	102·25	+13·75	109·56	90·24	+19·32	11·90	Comilla.	
254	2	15	26	24	22	11	6	5	1·5			1·5	92		·754		5·0		111	78·66	+32·34	109·74	61·38	+48·36	11·11	Sirajganj.	
44	21	36	42	77	37	48	18	42	4·8	4·5	+7	4·1	88	+2	·772	−·006	5·9	+0·6	109	94·08	+14·92	98·90	69·60	+29·30	5·83	Narayanganj.	
110	25	28	9	56	82	29	5	21	2·8			2·5	87	+1	·796	−·006	3·9	−0·9	123	97·90	+25·10	96·23	77·60	+18·63	3·60	Barisal.	
134	7	12	81	80	19	10	3	15	2·6			2·3	86	−2	·721	−·018	7·0	+2·2	122	104·22	+17·78	122·15	87·55	+34·60	10·62	Mymensingh.**	
115	35	3	22	58	93	12	6	21	3·3			2·9	86		·755		4·3		106	89·40	+16·60	100·25	68·56	+31·69	4·90	Faridpur	
231	14	6	10	34	52	8	2	3	2·0	3·2	−38	2·0	85	−1	·766	−·025	4·7	0	95	88·45	+6·55	91·57	64·02	+27·55	4·98	Jessore.††	10
37	30	31	24	37	69	79	13	45	4·6	4·8	−4		84	+1	·762	−·006	5·2	+1·0	91	85·54	+5·46	69·76	59·55	+10·21	7·23	Calcutta (Alipore.)	
2	65	57	16	22	85	72	19	27	13·3	10·7	+24		85	−1	·808	−·025	5·5	−0·2	83	81·96	+1·04	76·49	72·23	+4·26	4·58	Saugor Island.	
103	24	13	28	51	64	22	28	31	2·4			2·7	86		·740		4·6		100	74·20	+25·80	90·28	55·12	+35·16	9·62	Krishnagar.¶	
58	93	27	4	27	105	19		21	3·1			2·8	76		·694		3·3		89	78·22	+10·78	63·50	61·26	+2·24	3·88	Midnapore.‡‡	
140	22	20	29	41	11	19	61	22	3·5			3·1	74		·659		3·5		75	77·37	−2·37	48·57	56·43	−7·86	6·04	Bankura	11
263	12	6	21	13	8	8	9	25	1·9				79		·670		3·7		76	72·95	+3·05	53·01	56·13	−3·12	4·72	Raniganj.	

station, the data for that station are not utilized in calculating the provincial departures from normal.
the figure columns Nos. 37, 39 and 41 are derived are incomplete.

† Wind directions for 281 days.
‡ " " " 362 "
§ Wind directions for 353 days.
‖ " " " 363 "
¶ Wind directions for 364 days.
** " " " 361 "
†† " " " 360 "
‡‡ " " " 354 "

Table

Abstract of Observations taken at 8 h.

Number of rainfall Division.	Station.	Elevation of barcistern above sea-level in feet.	Pressure 8 h. in inches. Mean 8 h. pressure (reduced to 32°).	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Temperature of air. Mean of 8 h. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
22	Meerut	738	29·082	+·009	29·808	29·522	28·633	·889	·293	68·9	87·2	−0·7	63·1	−0·7	75·2	−0·7	24·0	111·7	31·1	80·6	40·2
26	Delhi	718	29·109	+·011	29·809	29·549	28·673	·876	·294	72·0	87·5	−1·5	67·6	+0·2	77·6	−0·7	20·0	112·2	32·5	79·7	36·2
28	Lahore	702	29·105	+·003	29·800	29·608	28·593	1·015	·355	69·1	87·9	−2·7	63·4	+2·5	75·7	−0·1	24·5	116·9	30·1	86·8	43·1
27	Sirsa	662	29·166	+·017	29·813	29·644	28·689	·955	·312	71·4	89·5	−2·4	65·1	+1·1	77·3	−0·6	23·6	114·3	29·0	85·3	43·8
	Patiala	*818*	29·001		29·810	29·474	28·526	·948	·306	69·8	85·4		63·2		74·3		22·2	113·0	30·7	82·3	38·9
29	Ludhiana	812	28·999	+·007	29·804	29·464	28·518	·946	·320	69·2	86·3	−1·9	64·2	+0·4	75·3	−0·8	22·1	114·8	30·0	84·8	39·2
	Sialkot	830	28·984	+·013	29·810	29·466	28·482	·984	·344	69·4	87·1	−0·6?	64·7	+2·0	75·9	+0·7?	22·5	117·5	32·5	85·0	41·2
	Ambala	892	28·925	+·018	29·813	29·396	28·458	·938	·311	68·3	86·7	−1·3	62·4	−0·8	74·6	−1·1	24·3	113·9	30·7	83·2	41·1
	Rawalpindi	1,674	28·147	+·001	29·845	28·611	27·665	·945	·352	65·8	83·1	−1·2	57·9	+0·3	70·5	−0·5	25·2	115·5	29·0	86·5	44·6
	VII.—Indus Valley and North-West Rajputana.			+·011							90·2	−1·2	65·5	+0·1	77·9	−0·6	24·7			88·4	43·4
32	Peshawar	1,110	28·731	−·002	29·859	29·235	28·203	1·032	·379	67·3	83·8	−1·9	59·3	+0·1	71·6	−0·9	24·5	117·0	27·9	89·1	43·3
	D. I. Khan	590	29·244	+·004	29·804	29·798	28·680	1·118	·396	69·3	88·3	−2·1	62·2	−0·3	75·3	−1·2	26·1	116·2	26·8	89·4	45·8
31	Khushab	612	29·219	+·022?	29·817	29·738	28·684	1·054	·389	71·0	88·4	−1·2	63·7	0	76·0	−0·6	24·7	118·8	27·9	90·9	45·6
	Montgomery	558	29·263	+·019?	29·804	29·786	28·732	1·054	·360	72·4	89·6	−2·7	64·2	−0·2	77·0	−1·4	25·4	117·8	27·5	90·3	45·9
	Mooltan	420	29·396	+·002	29·794	29·943	28·855	1·088	·385	71·5	90·9	−0·9	66·3	+1·0	78·6	0	21·7	118·5	29·0	89·5	43·5
47	Jacobabad	186	29·642	+·011	29·794	30·208	29·074	1·134	·363	74·0	95·5	−0·1	65·5	+0·3	80·5	+0·1	30·0	124·0	25·0	99·0	50·1
	Hyderabad	96	29·769	+·026	29·821	30·301	29·303	·998	·307	74·3	92·7	−0·7	67·8	−0·5	80·3	−0·6	24·8	119·7	33·5	86·2	41·7
	Kurrachee	30	29·857	+·020	29·838	30·347	29·408	·939	·281	74·4	86·8	−0·4	70·0	+0·2	78·4	−0·1	16·8	106·9	40·2	66·7	31·2
51	Bikaner	*771*	29·062	+·018	29·819	29·495	28·619	·876	·311	73·2	91·1	−0·9	68·5	−1·1?	79·8	−1·0?	22·5	117·8	31·1	86·7	41·4
	Pachpadra	*380*	29·484		29·831	29·903	29·027	·876	·277	73·0	93·5	−1·2	65·4	+0·5	79·4	−0·4	28·1	120·5	24·2	96·3	46·5
	Jodhpur	782	29·082		29·862	29·497	28·658	·839	·280	73·2	91·8		67·9		79·9		23·9	116·8	28·1	88·7	42·8
	VIII.—East Rajputana, Central India and Gujarat.			+·023							90·2	−0·2	67·8	+0·1	79·0	−0·1	22·3			76·7	37·7
50	Jaipur	1,431	28·434	+·018	29·852	28·830	28·064	·766	·253	73·5	91·1	+0·2	66·1	+0·4	78·6	+0·3	25·0	113·7	28·0	85·7	42·2
	Kotah	819?	29·021		29·852	29·430	28·587	·843	·264	76·3	92·8		70·5		81·7		22·3	115·1	35·5	79·6	38·4
	Sambhar	1,254	28·604	+·026?	29·851	29·001	28·227	·774	·262	71·5	90·8	+0·7	65·4	+0·2	78·1	+0·5	25·4	114·5	26·0	88·5	43·8
	Ajmer	1,611	28·265	+·019	29·869	28·647	27·879	·768	·259	71·3	89·5	+0·6	67·1	+2·7?	78·3	+1·7?	22·4	112·9	30·0	82·9	39·2
	Udaipur	1,925	27·962		29·868	28·312	27·547	·765	·245	72·2	88·1		64·4		76·3		23·7	112·1	31·2	80·9	40·3
46	Bhuj	395	29·500	+·033	29·856	29·901?	29·006	·895	·248	74·9	90·8	−0·6	68·6	−0·1	79·7	−0·4	22·2	114·3	39·9	74·4	36·4
	Jamnagar	61	29·849		29·855	30·201	29·441	·760	·232	75·7	89·8		68·5		79·1		21·4	106·7	36·7	70·0	35·8
	Rajkot	429	29·477	+·028	29·565	29·775	29·045	·730	·221	75·6	93·1	0	65·8	−0·3	79·5	−0·2	27·3	113·3	33·1	80·2	42·6
	Veraval	*18*	29·905	+·035	29·865	30·198	29·512	·686	·203	75·6	83·6	−1·6	71·2	+0·8	77·5	−0·6	12·4	99·1	40·2	58·9	24·8
	Dwarka	37?	29·879		29·862	30·245	29·459	·786	·230	77·2	83·9		72·8		78·8		10·3	100·4	45·6	54·8	21·0
	Bhavnagar Para	55	29·865		29·864	30·174	29·457	·717	·215	75·8	93·8	+1·0	68·7	−1·6	81·3	−0·3	25·1	112·7	39·0	73·7	40·0
(a) 49	Nowgong	757	29·093	+·011	29·827	29·539	28·676	·863	·262	72·2	89·3	−0·4	65·8	+0·2	77·6	−0·1	23·5	114·5	31·5	83·0	40·3
49	Indore	1,823	28·072	+·030	29·876	28·402	27·657	·745	·222	72·2	88·0	−0·1	63·0	−0·7	75·5	−0·4	25·0	110·6	31·1	79·5	40·0
	Neemuch	1,630	28·259	+·028	29·871	28·610	27·874	·736	·245	71·5	88·1	−0·8	64·1	−0·4	76·1	−0·6	24·0	112·1	29·8	82·3	39·8
45	Surat	39	29·883	+·028	29·867	30·201	29·521	·680	·204	76·2	90·5	−1·2	70·1	+0·7	80·3	−0·4	20·5	107·1	43·9	63·2	34·6
	Ahmedabad	163	29·739	+·022	29·854	30·069	29·262	·807	·231	76·6	94·0	0	70·0	−0·9	82·0	−0·4	24·0	114·8	38·7	76·3	38·2
	Deesa	466	29·423	+·023	29·853	29·745	28·915	·830	·246	74·8	94·8	+1·0	66·9	−0·2	80·9	+0·4	27·9	118·6	35·0	83·6	44·2
22	Agra	555	29·283	+·007	29·814	29·721	28·830	·891	·282	73·4	89·4	−1·3	68·6	+1·0	79·0	−0·2	20·8	114·0	33·9	80·1	37·5
21	Jhansi	858	29·003	+·017	29·833	29·446	28·598	·848	·262	75·7	91·9	+0·7	70·6	+1·7	81·3	+1·2	21·3	116·4	38·1	78·3	37·6

N.B.—Elevations in italics indicate barometrical determinattons.

NOTE 1.—When a query is inserted against any reading or in the returns of any

NOTE 2.—The data from which divisional means of

I—*contd.*

at 228 stations in India, Burma, etc., in the year 1905—contd.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity: Mean daily velocity in miles per hour, instrumental errors uncorrected.	Normal (uncorrected).	Percentage departure from normal.	Mean velocity corrected (where possible.)	Hygrometry 8 H.: Mean humidity at 8 H. of year.	Departure from normal of year.	Mean vapour tension at 8 H. of year.	Departure from normal of year.	Cloud: Mean cloud amount at 8 H. of year.	Departure from normal of year.	Rainfall: Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal.	Heaviest rainfall during year.	Station.	Number of District.
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
182	9	3	51	14	3	19	68	16	1·0	2·2	−55	1·0	65	−1	·498	−·009	2·8	−0·2	30	37·00	− 7·00	18·00	32·07	−14·07	2·43	Meerut	22
49	20	12	20	44	16	18	110	76	4·5	3·6	+25	4·0	58	0	·480	−·010	2·8	−0·6	18	37·10	−19·10	12·02	28·09	−16·07	2·90	Delhi	26
174	18	14	25	54	23	14	26	19	2·5	2·5	0		71	+6	·531	+·028	2·4	−0·3	20	22·90	− 2·90	17·42	20·10	− 2·68	6·61	Lahore	28
153	10	16	16	32	16	76	30	16	3·1	3·6	−14	2·7	63	+4	·508	+·021	1·9	−1·4	16	23·40	− 7·40	10·80	14·43	− 3·63	4·13	Sirsa	27
15	49	21	58	94	26	13	36	53	5·3			5·4	67		·523		3·0		29			21·27			2·12	Patiala.	
229	3	21		59		12	15	26	1·5	1·5	0	1·3	64	−2	·485	−·031	2·0	−1·6	31	32·70	− 1·70	16·13	28·67	−12·54	1·80	Ludhiana.	29
110	48	57	76	35	9	3	11	16	2·7	1·8	+50	2·3	64	−2	·491	−·019	1·9	−0·6	43	40·70	+ 2·30	31·33	31·75	− 0·42	4·35	Sialkot.	
142	1	8	11	104		6	8	85	3·3			3·0	71	−3	·525	−·032	2·8	+0·1	37	36·90	+ 0·10	22·30	32·96	−10·66	2·96	Ambala.	
238	11	28	20	24	10	9	7	18	3·2	2·0	+60	2·9	63	−5	·414	−·046	3·5	+0·3	49	47·30	+ 1·70	27·50	33·98	− 6·48	3·22	Rawalpindi	
													58	−1	·502	−·008	2·3	+0·4				6·65	9·99	−3·34		**VII.—Indus Valley and North-West Rajputana.**	
271	21	13	7	6	8	7	15	17	1·2	3·4	−65	1·3	60	−3	·437	−·018	2·8	−0·2	27	23·80	+ 3·20	15·24	13·09	+ 2·15	1·61	Peshawar	32
228	11	62	1	22	4	3	5	27	1·5	1·8	−17	1·6	65	+1	·523	+·010	2·1	+0·1	20	17·60	+ 2·40	6·94	8·51	− 1·57	0·82	D. I. Khan.	
74	21	122	51	20	23	30	17	8	6·8			6·5	55	0	·417	−·001	2·0	−0·2	22	18·00	+ 4·00	15·54	14·12	+ 1·42	3·00	Khushab	31
41	22	36	30	64	61	68	18	25	7·0			6·5	51	−4	·410	−·065	1·9	−0·3	15	16·10	− 1·10	10·25	10·25	0	2·24	Montgomery.	
135	38	27	3	40	27	79	5	10	1·9	2·5	−24	1·7	59	−1	·494	−·021	1·6	−0·1	11	12·40	− 1·40	4·90	7·30	− 2·40	1·14	Mooltan.	
71	40	25	56	50	52	22	14	34	4·4	3·4	+29	4·5	58	+3	·517	+·019	1·5	0·5	8	8·20	− 0·20	2·21	3·78	− 1·57	0·42	Jacobabad	47
25	64	17	2	3	41	145	25	43	10·3	10·1	+ 2	9·2	60	+2	·557	+·028	1·5	−1·2	10	9·70	+ 0·30	2·62	6·90	− 4·28	0·38	Hyderabad	
17	36	79	9	1	3	24	146	52	11·9	13·3	−11	11·5	71	−2	·651	−·027	4·8	+1·2	11	9·30	+ 1·70	3·61	8·26	− 4·62	0·86	Kurrachee.	
39	11	25	36	41	61	95	47	10	7·7	4·8	+60		52	−1	·492	−·007	2·1	−0·5	9	18·80	− 9·80	3·49	11·29	− 7·80	1·00	Bikaner	51
43	19	46	34	19	57	102	29	14	9·1	5·8	+57	8·2	59	−3	·553	+·003	1·3	−2·1	5	19·10	−14·10	4·79	13·30	− 8·51	3·51	Pachpadra.*	
33	23	87	21	9	14	121	52	5	6·5			5·9	48		·431		3·7		9	20·30	−11·30	3·51	13·14	− 9·63	0·60	Jodhpur.	
													60	−3	·550	−·024	3·1	+0·1				13·98	28·51	−13·59		**VIII.—East Rajputana, Central India and Gujarat.**	
69	36	56	17	11	7	48	57	64	4·8	5·1	− 6		50	−8	·440	−·054	3·1	−0·1	13	37·80	−24·80	4·73	26·05	−21·32	0·83	Jaipur	50
132	23	7	14	7	3	49	85	45	4·3			3·4	45		·425		2·1		18	37·60	−19·60	6·76	29·92	−23·16	1·25	Kotah.	
158	23	15	17	11	11	5	91	39	7·4	6·7	+10		55	−2	·467	−·013	2·7	−0·2	12	31·30	−19·30	5·37	20·74	−15·37	1·05	Sambhar	
94	6	32	2	25	7	60	74	65	8·1	4·3	+88	7·1	57	−6	·473	−·029	3·3	+0·6	13	32·60	−19·60	7·11	21·80	−14·69	2·05	Ajmer.	
221	7	4	1	4	4	47	64	13	4·5			4·0	62		·529		2·5		17	34·10	−17·10	17·43			3·96	Udaipur.	
74	19	22	6	5	2	66	91	80	13·2	10·2	+29	11·1	69	+5	·640	−·029	3·0	+0·1	11	16·10	− 5·10	6·46	14·52	− 8·06	1·43	Bhuj	46
15	11	28	50	8	17	126	86	23	15·8			17·5	64		·617		2·6		6			6·73			1·83	Jamnagar	
67	20	18	30	7	5	54	117	45	8·8	9·2	− 4	8·7	61	−6	·583	−·041	2·9	−0·1	14	30·90	−16·90	16·93	28·13	−11·20	10·39	Rajkot. *	
4	79	52	8	11	7	71	81	49	10·3	7·9	+30	10·3	72	+2	·677	+·011	2·9	−1·0	9	29·20	−20·20	6·76	18·24	−11·48	3·05	Veraval. †	
2	41	54	19	2	28	110	66	43	13·8				78		·762		3·6		8			2·72			0·63	Dwarka.	
19	24	18	2	4	4	114	57	122	9·0			8·0	55	−14?	·539	−·120?	3·8	−0·5	12	34·70	−22·70	11·74	19·76	− 8·02	7·42	Bhavnagar Para. ‡	
85	19	11	50	12	15	35	114	24	2·0	2·5	−20	2·0	60	−6	·504	−·041?	4·1	+0·9	30	50·70	−20·70	16·25	44·96	−28·71	1·84	Nowgong	49
85	17	40	20	21	4	24	114	40	6·2	4·2	+48	5·0	58	−5	·489	−·034	4·4	+1·0	34	45·30	−11·30	29·67	64	− 3·97	5·79	Indore	
18	54	57	27	7	3	84	91	24	9·7	10·1	−4	8·2	54	−4	·446	−·056	3·7	+1·1	20	37·40	−17·40	16·55	30·08	−13·53	2·82	Neemuch.	
26	51	37	48	23	59	52	44	25	7·2	9·0	−20	6·7	71	0	·689	+·009?	2·9	−0·5	26	47·40	−21·40	20·26	44·03	−23·77	5·49	Surat	45
14	32	56	42	6	23	73	46	67	4·2			4·2	57	−3	·561	−·021	4·2	+0·6	17	37·20	−20·20	42·36	33·24	+ 9·12	14·27	Ahmedabad.§	
1	23	74	48	13	36	87	58	25	10·3	10·3	0		53	−3	·510	−·014	3·2	−0·2	15	28·81	−13·81	19·71	24·12	− 4·41	7·06	Deesa.	
36	1	28		89	2	142	1	65	5·0	4·2	+19	5·9	56	−5	·486	−·047	2·7	−0·1	23	35·30	−12·30	10·89	28·42	−17·53	1·61	Agra	22
89	10	24	15	16	18	85	49	59	5·2	3·4	+53	6·3	64	+9?	·593	+·080?	1·9	−0·5	29	43·90	−14·90	17·11	38·51	−21·40	2·07	Jhansi	21

station, the data for that station are not utilized in calculating the provincial departures from normal.
the figure columns Nos. 37, 39 and 41 are derived are incomplete.

† Wind direction of 362 days.
* " " " 358 "
‡ Wind direction of 364 days.
§ Wind direction of 359 days.

Table

Abstract of observations taken at 8 h.

Number of rainfall Division.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 h. in inches. Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Temperature of air. Mean of 8 h. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
36	Chitaldroog	2,405	27·538	+·014	29·887	27·791	27·249	·442	·152	74·1	88·0	+1·5	67·6	+0·5	77·8	+1·0	20·4	101·2	56·4	44·8	29·2
	Bangalore	3,021	26·960	+·012	29·913	27·171	26·798	·377	·146	70·4	85·5	+1·3	64·4	+0·3	75·0	+0·8	21·1	97·3	51·9	45·4	30·7
	Hassan	3,091	26·902	+·019	29·921	27·113	26·738	·375	·148	70·6	85·6	+2·9?	62·0	−0·2	73·8	+1·4?	23·6	97·8	45·3	52·5	33·8
	Mysore	2,518	27·453	+·015	29·920	27·675	27·295	·380	·147	72·5	87·2	+0·9	66·0	+0·3	76·6	+0·6	21·2	100·4	54·4	46·0	30·1
56	Negapatam	31	29·893	+·012	29·853	30·143	29·665	·478	·161	81·3	91·8	+1·9	76·8	+0·9	84·3	+1·4	15·0	105·4	65·0	40·4	24·7
	Cuddalore	37 (a)	29·892	+·022*	29·858	30·160	29·656	·504	·172	80·8	92·4	+1·4*	75·1	+1·0*	83·8	+1·2*	17·3	109·2	60·1	49·1	27·7
	Trichinopoly	255	29·682	+·018	29·872	29·946	29·472	·474	·162	80·3	95·1	+0·7	74·5	+0·4	84·8	+0·6	20·6	105·2	61·4	43·8	30·2
	Madras	22	29·900	+·012	29·852	30·206	29·663	·543	·186	81·3	91·7	+0·8	75·4	+0·6	83·6	+0·7	16·3	108·0	57·5	50·5	27·5
	Vellore	707	29·217		29·870	29·511	28·993	·518	·180	78·6	87·1		72·5		79·8		14·6	104·4	54·8	49·6	27·9
55	Nellore	52	29·862	+·028	29·850	30·193	29·598	·595	·199	80·9	94·3	0	75·2	+0·1	84·8	+0·1	19·1	111·3	59·6	51·7	31·0
	Masulipatam	15	29·901	+·029	29·850	30·267	29·610	·657	·226	81·3	91·5	+1·0	75·3	+0·9	83·4	+1·0	16·2	111·7	59·2	52·5	28·3
54	Cuddapah	433	29·484	+·014	29·858	29·810	29·262	·548	·180	81·6	97·0	+1·5	74·9	+0·5	86·0	+1·0	22·1	111·3	53·3	58·0	34·7
	Kurnool	945	28·982	+·009	29·858	29·322	28·775	·547	·179	77·9	94·5	+0·7	71·4	+0·9	83·0	+0·8	23·1	108·8	45·8	63·0	35·6
	Bellary	1,475	28·437	+·010	29·870	28·745	28·238	·507	·167	76·7	94·4	+1·4	71·3	+1·0	82·9	+1·2	23·1	107·0	53·1	53·9	34·1
52	Cocanada	26	29·880	+·023	29·842	30·257	29·554	·703	·234	80·2	90·0	+0·6	75·1	+0·2	82·6	+0·4	14·9	110·0	59·5	50·5	27·5
	Waltair (Vizag.)	*226*	29·666	+·022	29·835	30·055	29·257	·798	·254	79·8	86·7	?	75·1	?	80·9	?	11·6	104·9	62·9	42·0	22·2
	Gopalpur	72	29·802	+·023	29·817	30·245	29·373	·872	·274	77·7	85·5	−0·5	73·0	−0·2	79·3	−0·4	12·5	100·2	53·5	46·7	24·4
	XII.—Hill Stations.																				
48	Pishin										73·4		44·3		58·9		29·1	105·4	7·1	98·3	50·0
	Quetta	5,502	24·622*	−·002*	24·582*	24·916	24·306	·610	·274*	55·7	71·7	−1·8	43·2	−1·4	57·5	−1·6	28·6	99·1	8·8	90·3	49·4
	Kalat									55·3	72·7	−1·8	?	?	?		?	105·9	?	?	?
	Chaman	4,311	25·675	+·004	25·637	26·009	25·360	·649	·275	60·8	76·1	−3·3	52·1	−2·3	64·1	−2·8	24·0	107·7	13·1	94·6	47·0
30	Leh	11,503	19·675	−·027	19·643	19·981	19·097	·884	·350	34·7	51·9	−3·3	27·9	−1·9	39·5	−3·1	24·0	82·2	−8·1	90·3	43·9
	Srinagar	5,204	24·876	−·012	24·847	25·202	24·534	·668	·344	48·4	65·1	−0·8	43·9	0	54·5	−0·4	21·2	96·8	18·1	78·7	37·8
	Sonemarg	*8,764*	21·822		21·790	22·121	21·383	·738	·321	33·3	56·0†		27·0		43·2†		25·5†	81·9	−24·9	106·8	48·4
	Skardu	*7,505*	22·852		22·822	23·280	22·354	·926	·415	45·1	59·1		38·1		48·6		21·0	97·9	−4·9	102·8	44·2
	Dras*	*10,059*	20·799		20·767	21·089	20·217	·872	·361	34·4	51·6		24·0		37·8		27·6	92·5	−28·9	121·4	53·0
	Gilgit	4,890	25·125		25·098	25·584	24·694	·890	·434	57·7	70·8	−2·0	50·9	−2·3	60·9	−2·2	19·9	108·7	21·6	87·1	40·0
32	Chitral	*5,486*								52·7	72·1		45·6		59·0		26·5	107·5	9·0	98·5	46·7
	Killa Drosh	4,700?								54·7	71·9		50·6		61·3		21·3	107·1	19·1	88·0	41·7
	Para Chinar	6,000	24·407		24·374	24·711	24·019	·692	·339	55·5	68·9		46·3		57·6		22·5	98·3	−2·8	101·1	42·3
	Cherat†	*4,256*	25·654	+·001	25·621	26·007	25·335	·672	·314	65·4	77·7	−0·7	59·9	−0·4	68·8	−0·5	17·8	106·5	28·0	78·5	37·7
29	Murree	6,333	23·820	−·010	23·788	24·118	23·483	·635	·290	54·5	60·5†	−3·6†	46·1	−4·7	52·7†	−4·3†	15·8†	90·1	12·0	78·1	34·9
	Kailang	*10,087*	20·915		20·870	21·056	20·508	·548	·226	36·5	52·8	−2·6	30·3	−1·7	41·6	−2·2	22·5	82·1	−3·0	85·1	41·5
	Poo										58·6		40·4		49·5		18·2	84·3	14·5	69·8	35·6
	Simla	7,224	23·082	−·010	23·044	23·346	22·862	·484	·243	51·7	58·9	−2·0	47·5	−2·3	53·2	−2·2	11·4	80·4	18·2	62·2	26·0
	Sarain		22·131			23·380	22·900	·480	·250	48·8	59·9		41·2		50·6		18·7	79·6	9·8	69·8	33·5
	Chakrata	7,022	23·254	−·011	23·214	23·503	23·010	·493	·244	52·1	61·9	−2·3	47·7	−1·8	54·8	−2·1	14·2	82·6	19·4	63·2	28·6
25	Ranikhet	6,069	24·070	−·007	24·028	24·327	23·804	·523	·250	55·4	65·3	−2·6	51·5	−2·1	58·3	−2·4	14·1	87·1	22·5	64·6	28·8
	Muktesar	7,600	22·798		22·755	23·042	22·566	·476	·245	51·1	60·3		46·5		53·7		14·4	81·5	17·9	63·6	29·7
13	Yatung	10,480									52·0		34·6		43·3		17·5	68·1	4·1	64·0	32·4
	Darjeeling	7,376	22·992	−·014	22·947	23·248	22·720	·528	·257	50·8	57·6	−0·8	46·3	−1·2	52·0	−1·0	11·3	72·7	23·0	49·7	22·8

N.B.—Elevations in italics indicate barometrical determinations. † Mean of 10 months.
(*a*) 12 feet up to 26th April 1905. * Mean of 11 months.

NOTE 1.—When a query is inserted against any reading or in the returns of any
NOTE 2.—The data from which divisional mean

I—*contd.*

at 228 stations in India, Burma, etc., in the year 1905—contd.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity. Mean daily velocity in miles per hour, instrumental errors uncorrected.	Normal (uncorrected).	Percentage departure from normal.	Mean velocity corrected (where possible).	Hygrometry 8 h. Mean humidity at 8 h. of year.	Departure from normal of year.	Mean vapour tension at 8 h. of year.	Departure from normal of year.	Cloud. Mean cloud amount at 8 h. of year.	Departure from normal of year.	Rainfall. Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.	Heaviest rainfall during year.	Station.	Number of District.
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
19	11	8	46	41	4	69	120	47	8·1			7·0	69	− 1	·581	+ ·005	4·1	−1·0	34	48·50	−14·50	16·26	26·33	−10·07	1·91	Chitaldroog	36
5	3	30	72	28	28	103	83	13	8·5	5·2	+ 63	7·6	77	− 1	·583	+ ·003	5·0	0	48	58·60	−10·60	35·06	35·06	0	3·88	Bangalore.	
37	4	34	44	39	17	61	86	43	3·4			3·1	77	+ 1	·581	+ ·007	5·8	+0·2	53	68·20	−15·20	24·09	35·09	−11·00	2·25	Hassan.	
4	8	40	37	29	26	124	82	15	8·7			9·4	76	0	·606	+ ·005	6·1	+0·8	45	55·90	−10·90	20·89	30·91	−10·02	2·26	Mysore.	
44	6	47	4	16	26	62	87	73	10·7	5·6	+ 91	9·4	75	− 1	·811	+ ·003	5·1	−0·3	58	58·20	−0·20	35·78	55·56	−19·78	4·48	Negapatam	56
114	25	8	1	20	42	89	29	37	4·5			5·6	78	− 5	·822	− ·036?	4·3	−0·9	46	56·30	−10·30	51·03	52·58	− 1·55	4·50	Cuddalore.	
178	24	19	5	3	19	47	60	10	5·0	5·8	− 14		72	0	·742	+ ·011	3·8	−1·1	45	44·60	+ 0·40	20·39	32·54	− 12·15	1·85	Trichinopoly.	
4	37	20	16	14	94	64	92	24	7·0	7·1	− 1		75	− 1	·809	+ ·004	4·6	−0·5	52	83·70	−31·70	42·72	50·39	− 7·67	5·05	Madras.	
156	16	39	19	40	9	32	11	43	3·8			3·8	74		·714		3·7		56	54·90	+ 1·10	40·95	38·47	+ 2·48	5·74	Vellore.	
14	19	14	25	67	49	29	93	55	5·9				74	− 2	·774	− ·035?	4·9	−0·1	39	42·40	− 3·40	36·96	30·73	+ 6·23	8·49	Nellore	55
73	39	29	9	42	43	21	55	54	8·4	7·0	+ 20	7·4	82	0	·892	+ ·046?	5·0	+0·2	38	51·00	−13·00	27·15	40·91	−13·76	3·85	Masulipatam.	
	1	31	33	93	5	47	78	77					67	− 1	·719	+ ·013	4·1	−0·2	43	43·70	− 0·70	24·59	32·69	− 8·10	2·31	Cuddapah	54
103	7	13	20	21	26	74	41	57	7·6				70	+ 4	·676	+ ·051	3·8	0	36	47·60	−11·60	26·77	28·40	− 1·63	3·02	Kurnool.*	
54	17	6	20	39	21	29	101	78	6·8	6·5	+ 5	6·0	63	+ 1	·591	+ ·011	4·2	−0·5	30	34·30	− 4·30	16·98	19·73	− 2·75	2·30	Bellary.	
119	29	49	1	7	9	66	60	25	6·9			5·8	79	+ 4	·820	+ ·060	4·4	−0·3	47	53·90	− 6·90	23·97	39·84	−15·87	2·82	Cocanada	52
17	23	50	6	10	14	162	78	5	11·7				71	− 2	·725	−·042	6·1	+1·3	61	49·60	+11·40	33·88	43·54	− 9·66	2·16	Waltair (Vizag.)	
14	93	7	2	2	41	111	10	85	13·2	9·6	+ 38	12·9	77	− 4	·750	−·034	2·9	−1·7	48	55·20	− 7·20	32·65	47·53	−14·88	3·54	Gopalpur.	
																										XII.—Hill Stations.	
																			32	23·20	+ 8·80	15·49	9·98	+ 5·51	1·53	Pishin.	48
318	4	2	3	18	4	5	7	4	1·4	4·1	− 66	1·5	60	+ 2	·271	−·016	2·0	+0·1	35	26·80	+ 8·20	15·05	10·68	+ 4·37	1·23	Quetta	
	132		30		166		37						46		·212				28	19·50	+ 8·50	11·63	5·79	+ 5·84	1·62	Kalat.	
44	8	18	53	70	77	67	26	2	7·3			8·0	50	+ 6	·258	−·009	1·7	−0·3	30	19·60	+10·40	12·18	6·29	+ 5·89	1·65	Chaman.	
41	9	73	53	15	55	42	73	3	2·1				51	− 1	·126	−·005	5·0	+0·2	12	9·30	+ 2·70	3·99	3·00	+ 0·99	0·54	Leh	30
145	12	12	23	84	42	12	10	25	3·2			3·0	85	− 1	·337	−·018	4·8	+0·2	72	56·50	+15·50	26·46	24·74	+ 1·72	2·26	Srinagar.	
269	34	12	15	9	10	7	5	4	2·7			2·4	90		·196		4·2		120			131·87			5·12	Sonemarg.	
186	7	28	30	9	22	43	36	4	4·1			4·1	67		·201		4·7		22	17·00	+ 5·00	9·81	10·45	− 0·64	1·72	Skardu.	
288	5	5	7	2	5	2	18	5	3·7				77		·176		3·7		49	61·10	−12·10	27·01	24·53	+ 2·48	1·86	Dras.	
268	6	8	11	3	2	26	34	7	2·7			2·4	47	− 4	·239	−·030	5·0	+ ·2	21	14·00	+ 7·00	7·65	4·80	+ 2·85	1·10	Gilgit.	
311	13	7	9	2	16	2	1	1	3·7			3·2	68		·287		2·5		32			15·48			2·50	Chitral.*	32
178	8	6	133	3	18	11	8						64		·310		2·8		29			8·63			0·62	Killa Drosh.	
314	15	8	10	1	5	3	7	2	4·2			3·8	57		·259		4·2		56	58·20	− 2·20	25·94	25·17	+ 0·77	2·10	Para Chinar.	
76	118	4	3	8	26	4	14	53	8·3			7·8	54	+ 1	·366	+ ·047	2·4	−0·7	31			28·41	24·43	+ 3·98	3·50	Cherat.	
244	21	3	15	39	27	3	4	9	5·2	6·8	− 24	5·6	58	+ 3	·261	−·002	3·1	−0·7	93	77·30	+15·70	73·20	55·85	+17·35	8·05	Murree	29
	5	13	26	60	41	91	87	42	1·0				63		·157		4·1		35			19·63	20·26	− 0·63†	2·50	Kailang.	
302	4	4	8	13	11	11	8	1									4·4		34			13·99	18·56	− 4·57	2·13	Poo.*	
86	128	16		19	76	3	10	27	4·8	2·2	+118	4·6	59	+ 1	·250	−·010	3·9	−0·3	94	80·10	+13·90	51·10	63·59	−12·49	3·46	Simla.	
250	11	6	7	4	45	29	9	4	2·2			2·1	68		·250		4·0		98			61·38			5·03	Sarsin.	
174	128	4		4	50	1		4	6·0	5·1	+ 18	7·2	66	+ 2	·282	−·009	3·7	+0·3	98	88·00	+10·00	67·96	70·71	− 2·75	4·77	Chakrata.	
206	4	22	13	6	1	55	33	25	2·6	2·1	+ 24	3·0	69	+ 2	·332	−·010	3·7	−0·2	78	79·70	− 1·70	43·29	54·52	−11·23	1·74	Ranikhet	35
44	11	15	64	33	17	34	133	14	8·8			8·1	66		·270		4·6		83			43·09			3·01	Muktesar.	
																			129	125·25	+ 3·75	51·34	49·48	+ 1·86	2·04	Yatung	13
147	3	47	19	52	7	29	35	19	4·7	3·7	+ 27	4·3	85	− 2	·343	−·014	6·2	+0·2	133	121·09	+11·91	151·42	124·38	+27·04	6·58	Darjeeling.§	

station the data for that station are not utilized in calculating the provincial departures from normal.
of the figure columns Nos. 37, 39, and 41 are derived are incomplete.

* Wind direction of 362 days.
§ " " " 358 "

† Rainfall of 11 months.

Table

Abstract of observations taken at 8 h.

Number of District.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 A.M. in inches. Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Temperature of air. Mean of 8 h. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	IX.—Deccan.			+·017							90·4	+0·1	66·8	−0·5	78·2	−0·2	23·5			67·8	36·8
38	Belgaum	2,539	27·393	+·020	29·884	27·637	27·211	·426	·164	71·4	85·0	+0·6	63·6	−0·4	74·3	+0·1	21·4	99·3	49·9	43·4	32·1
	Sholapur	1,590	28·327	+·017	29·882	28·628	28·082	·546	·180	75·7	93·8	+0·8	68·7	+0·7	81·3	+0·8	25·1	111·2	48·1	63·1	36·9
	Poona	1,840	28·094	+·022	29·917	28·378	27·843	·535	·184	69·3	89·6	+0·2	63·6	−1·2	76·6	−0·5	26·0	108·6	42·5	66·1	38·5
	Bijapur	*1,948*	27·975	+·020*	29·883	28·264	27·756	·508	·173	74·8	91·6	+1·7	68·1*	−0·3*	80·2*	+0·8*	24·1*	107·5	49·1?	58·4?	34·8
40	Malegaon	1,430	28·470	+·014?	29·876	28·785	28·131	·654	·201	73·8	92·1	+0·5	63·8†	−0·8†	78·0†	−0·4†	28·2†	112·3	38·0	74·3	42·8†
	Ahmednagar	2,154	27·781	+·030	29·900	28·086	27·515	·571	·180	73·5	90·4	+1·7*	62·2†	?	75·1†	?	25·7†	110·0	42·4	67·6	38·5†
41	Akola	930	28·964	+·022	29·860	29·348	28·634	·714	·224	74·7	93·1	+0·2	66·3	−0·9	79·7	−0·4	26·8	114·0	38·4	75·6	40·5
	Amraoti	1,215	28·671	+·024	29·854	29·057	28·333	·724	·219	75·6	92·2	+0·1	68·8	−0·1	80·5	0	23·4	114·0	47·0	67·0	36·9
42	Khandwa	1,044	28·839	+·017?	29·863	29·207	28·391	·816	·229	72·9	91·9	+0·1	66·0	−0·9	79·0	−0·4	25·9	113·7	36·7	77·0	39·8
	Hoshangabad	1,006	28·884	+·024	29·873	29·293	28·417	·876	·249	72·8	90·0	−0·5*	66·1	−0·9	78·1	−0·7*	23·9	114·0	36·1	77·9	38·8
	Nagpur	1,025	28·851?	+·024?	29·849?	29·255	28·495	·760	·239	74·8	91·6	−0·5	67·8	−1·1	79·7	−0·8	23·8	114·6	45·6	69·0	38·3
43	Chanda	*634*	29·269	?	29·860	29·643	28·944	·699	·226	75·0	92·7	−0·2	67·4	−1·2	80·1	−0·7	25·3	113·7	41·0	72·7	40·5
	Seoni	2,033	27·845	+·013*	29·852	28·223	27·427	·796	·238	72·2	88·1	+0·3	64·5	−0·4	76·3	−0·1	23·6	109·9	38·5	71·4	37·9
	Jubbulpore	1,327	28·533	+·017	29·817	28·924	28·058	·866	·259	70·5	88·3	−0·2	63·0	−1·4	75·7	−0·8	25·3	112·0	31·9	80·1	40·4
	Saugor	1,807	28·055	+·012	29·841	28·438	27·634	·804	·249	72·7	87·8	−0·3	66·3	+0·2	77·1	−0·1	21·5	111·0	35·0	76·0	37·2
49	Sutna	1,040	28·800	+·010	29·825	29·238	28·320	·918	·269	72·2	87·9	−0·2	65·6	0	76·8	−0·1	22·3	112·6	34·0	78·6	37·4
44	Raipur	970	28·891	+·015	29·828	29·301	28·502	·799	·249	74·5	89·3	−1·2	68·3	−0·9	78·8	−1·1	21·0	112·3	44·8	67·5	34·9
	Pendra	2,123?	27·822		29·831	28·191	27·374	·817	·253	71·1	85·8		64·3		75·1		21·5	106·8	37·5	69·3	35·8
	Sambalpur	486	29·377	+·009	29·821	29·823	28·941	·882	·276	75·0	89·8	−1·2	69·4	−0·9*	79·6	−1·0*	20·4	112·1	44·7	67·4	33·4
39	Aurangabad	1,905	28·008		29·871	28·285	27·717	·568	·190	74·9	90·1		65·1		77·6		25·1	113·6	44·2	60·4	38·3
	Indur	1,260	28·635		29·859	28·797	28·387	·410	·116	76·9	91·9		67·2		79·6		24·8	111·2	45·1	66·1	36·6
	Bidar	*2,165*	27·770		29·887	28·095	27·508	·587	·205	76·0	88·3		69·3		78·8		19·0	105·8	52·3	54·5	30·6
53	Gulbarga	1,503	28·399	+·003	29·866	28·656	28·175	·481	·176	75·7	92·9	+0·6	68·8	+0·1	80·9	+0·4	24·1	110·9	50·9	60·0	35·2
	Raichur	1,326?	28·584	+·021?	29·869	28·904	28·377	·527	·173	77·4	92·7	+0·6	71·8	+0·2	82·3	+0·4	20·9	108·0	51·7	56·3	32·3
	Hyderabad (Dn.)	1,690	28·215	+·017	29·870	28·543	27·967	·576	·193	75·0	91·0	+0·3	69·3	+0·9	80·2	+0·6	21·7	108·4	48·3	60·1	33·7
	Hanumkonda	871	29·014		29·841	29·378	28·700	·678	·220	77·5	92·0		71·6		81·8		20·4	111·2	52·2	59·0	33·8
	X.—West Coast.			+·023							85·9	−0·3	74·3	−0·3	80·1	−0·3	11·7			30·7	19·7
37	Bombay	37	29·894	+·020	29·871	30·184	29·638	·546	·190	77·5	86·0	+0·2	74·5	−0·4	80·3	−0·1	11·5	94·5	56·0	38·5	20·8
	Ratnagiri	110	29·826	+·033	29·877	30·095	29·614	·481	·173	77·5	86·5	−0·9	72·4	−0·7	79·5	−0·8	14·1	95·8	56·6	35·2	24·2
	Mormugao	*60*	29·888	+·028	29·884	30·142	29·700	·442	·172	77·6	85·3	−0·9	75·3	−0·6	79·9	−0·8	10·9	93·0	60·3	32·7	19·0
	Goa	399	29·737	?	29·877	30·027	29·541	·486	·177	78·5	84·4	−1·3*	76·2*	+1·3?	80·4*	0?†	8·4*	91·5	61·0	30·5	17·0
	Karwar	44	29·908	+·029	29·886	30·189	29·720	·469	·172	75·6	85·7	−0·6	72·1	−0·6	78·9	−0·6	13·6	92·8	56·5	36·3	21·7
3	Cochin	10	29·945	+·015	29·883	30·129	29·790	·339	·119	79·2	88·6	+1·1	75·2	+0·4	81·9	+0·8	13·4	93·8	66·8	27·0	20·2
	Calicut	27	29·930	+·019	29·887	30·148	29·733	·415	·142	78·4	86·7	−0·3	74·5	+0·3	80·6	0	12·2	91·7	66·2	25·5	19·3
	Mangalore	65	29·890	+·018	29·888	30·133	29·729	·404	·154	79·1	85·7	−1·4	73·8	−0·4	79·8	−0·9	11·9	91·7	64·5	27·2	20·1
	Trivandrum	198	29·750	+·023	29·881	29·910	29·595	·315	·129	77·9	84·4	+0·4	75·1	−0·3	79·8	+0·1	9·4	89·5	68·0	21·5	14·7
	XI.—South India.			+·018							91·1	+0·9	72·5	+0·5	81·7	+0·7	18·6			46·9	29·1
57	Pamban	37	29·899	+·020	29·862	30·132	29·705	·427	·156	82·1	88·7	+1·4	77·9	+0·4	83·3	+0·9	10·8	94·8	70·2	24·6	17·1
	Tinnevelly	168	29·779	+·025	29·877	30·022	29·581	·441	·154	82·3	94·6	+0·3	76·3	−0·3	85·5	0	18·3	104·5	66·9	37·6	27·4
	Madura	447	29·494	+·030	29·878	29·741	29·288	·453	·156	81·1	94·4	+0·5	74·4	+0·6	84·4	+0·6	20·0	104·0	63·7	40·3	28·9
	Periyakulam	944	28·995		29·886	29·214	28·797	·417	·149	77·7	93·0		70·2		80·7		22·8	101·6	55·0	46·6	33·6
34	Salem	940	29·017	+·011	29·905	29·275	28·816	·459	·158	79·0	94·5	+1·6	72·4	+1·7	83·5	+1·7	22·1	104·7	57·8	46·9	32·7
	Coimbatore	1,348	28·592	+·017	29·900	28·829	28·398	·431	·153	75·5	90·6	+0·3	70·1	+0·5	80·4	+0·4	20·5	101·4	58·7	42·7	29·5
35	Mercara	3,781	26·251	+·020	26·184	26·438	26·113	·325	·139	65·1	77·4	+0·9	60·9	−0.5	69·2	+0·2	16·5	92·0	50·6	41·4	25·4

* Mean of 11 months. † Mean of 10 months. NOTE 1.—When a query is inserted against any reading or in returns of any NOTE 2.—The data from which divisional means

N.B.—Elevations in italics indicate barometrical determinations.

I—contd.

at 228 stations in India, Burma, etc., in the year 1905—contd.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity. Mean daily velocity in miles per hour, instrumental errors uncorrected.	Normal (uncorrected).	Percentage departure from normal.	Mean velocity corrected (where possible).	Hygrometry 8 h. Mean humidity at 8 h. of year.	Departure from normal of year.	Mean vapour tension at 8 h. of year.	Departure from normal of year.	Cloud. Mean amount at 8 h. of year.	Departure from normal of year.	Rainfall. Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.	Heaviest rainfall during year.	Station.	Number of District
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
													60	− 3	·523	− ·027	3·5	−0·3				30·34	40·34	−9·95		**IX.—Deccan.**	
136	16	10	29	25	9	47	62	31	11·5	15·7	−27		67	− 3	·523	−·014	4·8	+0·5	61	83·30	+22·30	28·74	50·13	−21·39	1·64	Belgaum	38
7	16	50	34	51	2	47	49	109	10·8	8·9	+19	12·0	49	− 6	·458	−·045	3·6	−0·4	28	42·00	−14·00	14·79	30·96	−16·19	1·67	Sholapur.	
46	18	6	24	13	3	23	140	92	10·9	10·0	+ 9		62	− 1	·466	−·041	3·7	−0·2	35	49·60	−14·60	25·09	27·89	− 2·80	4·50	Poona.	
2	46	23	45	25	18	32	94	61	7·3			7·2	64	− 6	·565	−·039?	3·4	−0·5	27	42·40	−15·40	11·58	24·58	−13·00	1·92	Bijapur.‡	
64	19	9	5	2	3	33	150	80	8·0	7·2	+11	9·2	49	−14?	·442	−·123?	2·1	−1·4	18	34·90	−16·90	13·27	24·08	−10·81	1·47	Malegaon	40
49	23	6	4	14	15	24	58	172	7·6			9·2	59	− 8	·514	−·050	2·2	−1·1	24	39·60	−15·60	13·39	22·41	− 9·02	1·65	Ahmednagar.	
82	2	12	28	24	5	17	73	122	6·9	5·5	+25	6·1	55	− 3	·498	−·015	3·6	+0·2	31	45·10	−14·10	19·19	34·16	−14·97	3·03	Akola	41
21	23	56	48	11	22	59	105	20	6·3	4·7	+34	5·7	54	− 5	·502	−·035	2·9	−0·6	33	46·80	−13·80	24·61	34·63	−10·02	3·27	Amraoti.	
146	16	12	2	1	3	9	55	121	6·2	5·4	+15	5·9	56	− 3	·491	−·010	2·5	−0·5	29	42·30	−13·30	27·70	31·35	− 3·65	5·95	Khandwa	42
24	1	87	38	13	12	123	44	21	4·5	3·0	+50	4·6	62	− 4	·532	−·019	3·2	−0·3	40	56·00	−16·00	49·21	52·08	− 2·87	7·19	Hoshangabad.§	
32	104	54	12	8	19	18	56	62	7·3	6·4	+14	5·8	56	− 5	·508	−·045	3·4	−0·5	54	58·60	− 4·60	51·24	49·49	+ 1·75	6·10	Nagpur.	
158	17	10	11	19	21	36	68	25	4·6	3·7	+24	4·1	67	+ 2	·617	+·028	3·1	−0·5	50	61·70	−11·70	42·48	55·75	−13·27	2·93	Chanda	43
19	62	68	18	14	28	51	50	55	6·0	3·9	+54	5·0	57	− 7	·464	−·066	3·4	−0·1	52	71·40	−19·40	43·70	55·27	−11·57	5·20	Seoni.	
16	14	24	20	70	78	45	69	29	3·5	3·3	+ 6	3·0	66	− 1	·511	−·024	3·1	−0·3	48	63·90	−15·90	43·43	59·11	−15·68	7·50	Jubbulpore.	
35	9	37	34	43	7	61	118	20	7·5	3·5	+114	6·7	51	− 8	·423	−·072	3·3	+0·3	36	58·10	−22·10	25·34	48·57	−23·23	3·32	Saugor.‖	
110	13	12	35	17	8	39	88	43	3·5	6·1	−43	3·2	62	+ 1	·504	−·008	5·4	+2·5?	46	54·60	− 8·60	30·63	45·88	−15·25	5·13	Sutna	49
133	18	28	14	3	16	108	33	12	4·8	5·6	−14	5·7	65	+ 2	·570	+·005	4·2	+0·1	62	62·50	− 0·50	47·02	50·65	− 3·63	5·85	Raipur	44
111	56	11	9	17	52	28	17	64	4·9			4·2	60		·470		3·6		62			35·30			3·43	Pendra.	
	10	64	44	64	33	111	29	10	4·9	2·3	+113	4·8	70	− 1	·629	−·030	4·2	+0·3	81	72·00	+ 9·00	60·97	67·39	−6·42	5·30	Sambalpur.	
89	15	26	56	10	4	56	89	20	10·6			10·6	48		·439		3·1		24	47·40	−23·40	11·83	30·45	−18·62	1·85	Aurangabad.	39
144		5				25	2	189	4·8			4·1	57		·551		3·1		37	58·30	−21·30	35·25	39·57	− 4·32	5·50	Indur.	
	41	41	33	29	39	89	63	30	6·8			5·7	62		·579		3·2		46	59·10	−13·10	29·24	39·71	−10·47	3·44	Bidar.	
40	28	54	62	15	10	15	85	50	9·3			8·2	64	0	·579	+·008	3·0	−0·8	42	48·70	− 6·70	28·97	31·75	− 2·78	2·20	Gulbarga	53
43	9	12	43	46	14	140	31	27	11·4			10·8	59	− 6	·569	−·036	3·4	−0·3	33	44·20	−11·20	28·12	30·74	− 2·62	2·65	Raichur.	
199	4	6	17	13	4	1	103	18	4·7			4·5	66	− 4	·581	−·041	4·1	+0·5	40			23·54	31·56	− 8·02	2·68	Hyderabad (Dn.)	
86	23	2	4	91	35	21	56	47	7·9			7·0	63		·604		3·6		38	51·40	−13·40	21·16			2·80	Hanumkonda.	
													79	−1	·764	−·017	4·5	+0·1				80·71	101·74	−21·03		**X.—West Coast.**	
3	46	78	58	25	18	37	71	29	9·8	12·2	−20		76	− 2	·744	−·027	4·5	+0·3	58	75·60	−17·60	33·66	75·21	−41·55	3·24	Bombay	37
43	38	47	96	50	7	30	29	15	10·7	10·2	+ 5	10·6	73	+ 1	·701	−·026	3·9	0	74	93·80	−19·80	56·19	107·35	−51·16	3·40	Ratnagiri.¶	
22	82	24	37	44	70	34	19	33	9·1				82	− 1	·782	−·033	4·5	+0·7	84			65·70	93·43	−27·73	6·27	Mormugao.	
37	45	70	109	6	9	27	38	21	8·6				77	− 1	·761	−·017	4·4	+0·2	92			60·38	98·43	−38·05	7·30	Goa.**	
39	54	87	75	9	5	57	33	6	5·6				80	− 3	·716	−·028	3·6	−0·2	96	105·50	− 9·50	88·06	123·78	−35·72	5·36	Karwar.	
26	18	127	107	28	7	11	25	16	7·5				79	− 2	·802	−·010	4·7	0	108	130·60	−22·60	92·61	115·63	−23·02	6·55	Cochin	33
89	35	78	70	15	7	6	10	55	7·4			7·3	82	− 1	·799	−·013	4·8	0	111	116·10	− 5·10	108·72	115·11	− 6·39	4·82	Calicut.	
79	27	49	141	17	6	7	18	20	5·2	3·4	+53		80	− 1	·797	+·008	5·0	−0·1	112	117·90	− 5·90	140·47	123·94	+16·53	5·15	Mangalore.††	
77	88	30	8	1	3	5	24	129	5·6				79	− 3	·776	−·018	5·3	−0·2	98	92·90	+ 5·10	80·61	62·78	+17·83	5·33	Trivandram.	
													74	−1	·727	+·007	4·5	−0·2				29·72	36·15	−6·43		**XI.—South India.**	
65	33	55	24	29	41	78	21	19	11·2			11·8	83		·901		3·4		42	42·70	− 0·70	36·08	38·97	− 2·89	4·91	Pamban	37
3	89	47	10	7	6	33	90	80	5·7			5·5	66	− 3	·720	−·022	4·9	+0·2	44	41·40	+ 2·60	29·39	28·63	+ 0·76	3·11	Tinnevelly.	
24	48	105	30	5	3	16	28	106	5·9	4·2	+40	6·8	73	+ 3	·774	+·038	4·0	−0·2	41	50·20	− 9·20	27·47	33·30	− 5·83	4·84	Madura.	
201	35	19	9	14	32	15	17	19	3·0			3·2	69		·654		3·5		54	48·30	+ 5·70	31·20	28·86	+ 2·34	3·77	Periyakulam.‡‡	
27	15	42	86	12	29	81	61	12	5·6	4·4	+27	5·0	74	− 2	·748	+·015	4·6	+0·2	52	59·50	− 7·50	28·89	40·50	−11·61	2·00	Salem	34
19	51	56	61	8	20	83	73	5	7·2	4·8	+50	6·6	81	− 2	·721	−·012	·3	−0·4	38	43·60	− 5·80	20·34	20·90	− 0·56	72	Coimbatore.	
1	37	93	40	4	3	18	92	70	4·4	5·8	−24	4·1	83	0	·527	−·009	·	−0·5	126	134·70	− 8·70	101·89	125·94	−24·05	4·83	Mercara††	35

station, the data for that station are not utilized in calculating the provincial departures from normal.
of the figure columns Nos. 37, 39 and 41 are derived are incomplete.

‡ Wind direction of 346 days.
§ " " 363 "
‖ Wind direction of 364 days.
¶ " " 355 "
** Wind direction of 362 days.
†† " " 364 "
‡‡ Wind direction of 361 days.

Table

Abstract of Observations recorded at 10 h. and 16 h.

Meteorological Province.	Station.	Elevation of bar cistrn above sea-level in feet.	Pressure. Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean reduced to S. L. and for gravity 45° Lat.	Temperature of air. Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily mean.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Burma Coast and Bay Islands.	Port Blair	61	29·893	29·801	·092	29·848	+·032	29·840	87·1	77·3	9·8	96·0	68·5	27·5	84·0	84·9	81·2	0
	Rangoon	57	·874	·761	·113	·819	+·007	·814	88·6	73·3	15·3	103·5	58·5	45·0	83·2	85·4	79·0	-0·2
	Diamond Island	41	·897	·794	·103	·847	+·011	·823	84·5	76·1	8·4	92·2	68·2	21·0	82·8	83·0	80·0	-0·1
	Cocos Island	119	·816	·718	·098	·769		·820	86·2	77·0	9·2	97·2	70·8	26·4	82·8	82·9	80·5	
	Akyab	20	·902	·796	·106	·849	+·012	·811	84·6	71·6	13·0	94·9	51·1	43·8	79·4	81·9	77·8	-1·1
Bengal and Orissa	Chittagong	87	·823	·718	·105	·769	+·014	·721	83·5	68·7	14·8	92·7	46·4	46·3	78·6	80·4	75·9	-1·0
	Calcutta (Alipore)	21	·862	·749	·113	·804	+·017	·771	86·0	69·8	16·2	106·1	45·9	60·2	80·4	83·8	77·3	-0·7
	Saugor Island	25	·847	·738	·109	·790	+·006	·759	85·3	72·9	12·4	98·6	45·7	52·9	80·6	82·5	77·9	-0·5
	False Point	21	·867	·760	·107	·727	+·012	·773	85·2	71·9	13·3	108·5	48·0	60·5	81·8	82·3	77·4	-0·4
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	27·841	27·747	·094	27·792	+·001	·745	83·5	64·8	18·7	107·9	37·6	70·3	77·0	80·4	73·3	-1·0
	Allahabad	309	29·553	29·438	·115	29·490	+·014	·754	89·0	65·5	23·5	114·5	34·3	80·2	80·9	87·3	76·0	-1·2
Upper Sub-Himalayas.	Dehra Dun	2,233	27·621	27·538	·083	27·573	+·001	·780	79·7	59·0	20·7	104·6	30·1	74·5	71·6	75·5	68·5	-1·7
	Roorkee	859	28·943	28·843	·100	28·886	+·010	·759	84·6	60·8	23·8	111·6	28·4	83·2	75·6	82·1	71·3	-2·2
	Meerut	738	29·048	·948	·100	·992	+·009	·695	88·3	66·7	21·6	112·0	31·1	80·9	79·3	85·9	76·3	-1·2
	Lahore	702	·125	29·037	·088	29·073	+·002	·747	87·9	63·7	24·2	116·8	30·1	86·7	78·2	85·8	74·7	-0·1
	Ludhiana	812	·009	28·941	·068	28·963	+·002	·748	86·4	64·1	22·3	114·8	30·0	84·8	77·1	84·5	74·0	-0·3
Indus Valley and N.-W. Rajputana.	Peshawar	1,110	28·749	·651	·098	·693	+·002	·791	83·9	59·3	24·6	117·0	28·1	88·9	75·8	81·3	70·5	-0·9
	Jacobabad	186	29·641	29·536	·105	29·586	+·001	·732	95·6	65·5	30·1	124·0	25·0	99·0	85·8	92·1	79·5	+0·1
	Kurrachee	30	·872	·778	·094	·823	+·022	·804	86·8	70·0	16·8	106·7	40·4	66·3	81·4	83·2	77·4	-0·2
Eastern Rajputana, Central India and Gujarat.	Jaipur	1,431	28·449	28·343	·106	28·390	+·013	·771	91·1	66·3	24·8	113·7	28·0	85·7	81·8	88·9	77·4	+0·3
	Udaipur	1,925?	27·972	27·871	·101	27·919		·782	88·1	64·5	23·6	112·0	31·4	80·6	80·4	85·9	76·0	
	Deesa	466	29·432	29·315	·117	29·370	+·020	·785	94·7	66·9	27·8	118·5	35·1	83·4	84·6	92·6	80·5	+0·3
	Jamnagar	61	·857	·752	·105	·801		·807	89·9	68·4	21·5	106·6	36·4	70·2	83·3	86·8	78·1	
Deccan	Belgaum	2,539	27·400	27·297	·103	27·348	+·019	·792	85·1	63·6	21·5	99·2	49·9	49·3	78·0	82·1	72·9	+0·1
	Sholapur	1,590	28·329	28·191	·138	28·262	+·013	·778	93·8	68·7	25·1	111·2	48·1	63·1	83·2	91·3	79·9	+0·7
	Akola	930	·971	·835	·136	·902	+·018	·771	93·1	66·3	26·8	114·0	38·6	75·4	83·9	91·3	78·3	-0·3
	Buldana	2,132	27·783	27·671	·112	27·722	—·004	·776	87·5	66·9	20·6	107·6	45·1	62·5	79·9	85·4	76·1	-0·6
	Khandwa	1,044	28·851	28·722	·129	28·785	+·017	·783	91·8	66·0	25·8	113·7	36·7	77·0	82·2	90·4	78·4	-0·4
	Nagpur	1,025	·863	·733	·130	·797	+·025	·771	91·7	67·8	23·9	114·6	45·4	69·2	82·3	89·5	78·9	-0·7
	Nagpur (Sanitary Commr.'s Office,)	1,013	·868	·735	·133	·800		·765	92·3	67·9	24·4	115·9	45·4	70·5	83·3	89·9	79·2	
	Hyderabad (Deccan)	1,690	·223	·100	·123	·164	+·018	·780	91·0	69·3	23·3	108·2	48·1	60·1	82·5	88·4	79·2	+0·7
West Coast	Bombay	37	29·904	29·806	·098	29·852	+·025	·829	86·0	74·4	11·6	94·7	56·1	38·6	80·4	82·4	79·1	-0·1
	Karwar	44	·917	·819	·098	·869	+·029	·847	85·6	72·1	13·5	92·9	56·8	36·1	81·3	84·0	77·8	-0·6
South India	Periyakulam	944	28·997	28·861	·136	28·943		29·814	93·0	70·2	22·8	101·6	55·0	46·6	84·4	89·2	80·7	
	Salem	940	29·018	·87	·142	·955	+·008	·823	94·5	72·4	22·1	104·7	57·6	47·1	84·3	91·6	81·9	+1·3
	Chitaldroog	2,405	27·543	27·427	·116	27·488	+·014	·795	88·0	67·7	20·3	101·3	56·5	44·8	79·7	85·2	76·5	+1·0
	Bangalore	3,021	26·967	26·853	·114	26·905	+·013	·806	85·5	64·4	21·1	97·5	51·9	45·6	77·0	82·8	73·6	+0·9
	Hassan	3,091	·911	·804	·107	·861	+·026	·822	85·6	62·0	23·6	97·8	45·3	52·5	77·9	81·2	72·5	+1·1
	Mysore	2,518	27·458	27·336	·122	27·401	+·010	·818	87·2	66·0	21·2	100·4	54·6	45·8	78·7	84·3	75·[illegible]	+0·6
	Pudukkottai									Imperfect.								
	Madras	22	29·908	29·761	·117	29·854	+·011	·805	91·7	75·3	16·4	108·2	57·4	50·8	86·8	86·3	82·1	+0·7

* Mean of 11 months.

II.

at 64 Stations in India, Burma, etc., in the year 1905.

Temperature, Wet-bulb.				Vapour Tension.					Humidity.					Cloud.				Rainfall.			
Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Total rainfall for the year.	Heaviest rainfall during the year.	Station.	Meteorological Province.
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
74·4	78·6	78·6	77·2	·817	·907	·895	·891	—·012	86	78	75	82	−2	5·6	5·8	5·7	—0·2	101·24	5·41	Port Blair.	Burma Coast and Bay Islands.
70·7	75·5	75·5	73·9	·725	·787	·760	·774	—·021	87	70	64	79	−3	4·8	5·4	5·1	—0·2	104·98	4·60	Rangoon.	
72·0	76·4	76·2	74·9	·733	·832	·818	·808	−·015	81	74	72	78	−3	4·6	4·9	4·8	−0·5	112·31	4·16	Diamond Island.	
73·3	76·6	76·6	75·4	·777	·850	·814	·838	+·003*	83	77	76	81	+1*	5·4	5·7	5·6	+0·5	88·75	4·15	Cocos Islands.	
	75·0	75·3			·831	·819				81	74			4·1	3·7	3·9	−0·8	235·50	12·34	Akyab.	
65·2†	73·2	73·6	69·8†	·619†	·771	·757	·701†	−·036†	89†	76	71	80†	−1†	4·8	4·3	4·6	—0·3	152·47	10·67	Chittagong.	Bengal and Orissa.
67·6	73·1	73·6	71·4	·683	·749	·722	·731	−·011	89	69	61	75	−1	5·2	5·0	5·1	+0·6	69·76	7·23	Calcutta (Alipore).	
69·9	74·9	75·2	73·3	·728	·815	·801	·796	—·024	86	75	70	78	−2	5·4	5·2	5·3	0	76·49	4·58	Saugor Island.	
69·9	75·1	75·4	73·4	·739	·800	·802	·790	−·021	91	72	71	79	−3	5·6	5·7	5·7	+0·8	51·80	4·57	False Point.	
59·5	64·2	65·1	63·2	·481	·471	·453	·481	—·016	74	50	44	59	0	4·3	5·4	5·1	+0·2	53·11	3·48	Hazaribagh.	Gangetic Plain and Chota Nagpur.
61·7	68·3	70·2	66·8	·548	·574	·559	·572	+·005	81	54	44	63	+1	3·6	4·0	3·8	+0·3	28·65	4·79	Allahabad.	
54·9	45·0	62·9	59·8	·422	·463	·455	·456	−·011	77	57	50	64	0	3·9	4·6	4·3	+0·3	54·97	3·85	Dehra Dun.	Upper Sub-Himalayas.
57·2	64·6	65·7	62·5	·473	·510	·457	·488	—·013	82	55	41	62	+2	2·5	2·4	2·5	−0·6	21·38	1·77	Roorkee.	
61·6	66·9	68·3	65·6	·538	·545	·505	·542	−·034	76	52	40	59	−1	3·3	3·5	3·4	−0·1	17·86	2·43	Meerut.‡	
58·4	66·5	68·9	64·6	·475	·544	·530	·527	+·036	75	55	43	60	+4	2·4	2·5	2·5	—0·4	17·42	6·61	Lahore.	
59·0	64·3	65·4	62·9	·487	·484	·423	·474	−·032	76	51	35	57	−2	1·7	2·2	2·0	−1·5	16·13	1·80	Ludhiana.	
53·1	62·1	63·4	59·5	·375	·441	·412	·419	−·015	68	47	37	53	−2	2·5	3·5	3·0	—0·2	15·24	1·61	Peshawar.	Indus Valley and N.-W. Rajputana.
58·4	69·1	70·6	66·1	·451	·540	·504	·509	+·029	67	43	34	50	+4	1·4	1·4	1·4	—0·5	2·21	0·42	Jcobabad.	
65·6	70·9	72·8	69·8	·616	·658	·701	·682	—·015	77	58	59	70	−1	4·0	3·8	3·9	+0·9	3·64	0·86	Kurrachee.	
57·2	64·9	66·2	62·8	·400	·439	·394	·418	−·047	57	39	28	45	−8	2·7	3·8	3·3	−0·4	4·73	0·83	Jaipur.	Eastern Rajputana, Central India and Gujarat.
59·0	68·0	70·9	65·9	·474	·567	·602	·551		72	52	47	58		2·6	2·9	2·8		17·43	3·96	Udaipur.	
59·6	67·5	68·5	65·2	·465	·475	·39	·449	−·028	61	39	26	43	−3	2·9	2·7	2·8	−0·5	19·71	7·06	Deesa.	
63·4	69·7	70·1	67·7	·562	·573	·539	·578		73	48	41	58		2·4	2·1	2·3		6·73	1·83	Jamnagar.	
60·8	65·7	67·3	64·6	·512	·488	·492	·511	—·022	85	53	48	66	−2	4·5	5·0	4·8	—0·2	28·74	1·64	Belgaum.	Deccan.
60·1	66·8	68·7	64·8	·440	·461	·429	·456	−·041	59	40	31	46	−6	3·8	5·2	4·5	−0·2	14·79	1·67	Sholapur.	
58·9	68·6	70·3	65·9	·440	·520	·476	·485	−·011	63	44	34	49	−3	3·3	4·3	3·8	0	19·19	3·03	Akola.	
58·0	65·1	66·2	63·1	·398	·459	·426	·430	−·024	57	44	36	48	−4	2·9	3·8	3·4	—0·5	26·01	2·61	Buldana.	
56·6‡	66·0*	67·7*	62·4‡	·434‡	·475*	·424*	·443‡	−·052‡	69‡	43*	32*	52‡	−6‡	2·3	2·8	2·6	—0·9	27·70	5·95	Khandwa.	
60·8	67·9	69·5	66·1	·480	·527	·491	·508	−·025	66	47	37	52	−3	3·1	4·5	3·8	—0·7	51·24	6·10	Nagpur.	
60·9	68·0	69·6	66·1	·482	·519	·489	·503		67	46	37	52		3·1	4·4	3·8		51·16	5·60	Nagpur (Sanv. Commr.'s Office).	
58·2	69·4	70·5	61·9	·494	·566	·534	·500	—·021*	68	51	41	52	−3*	3·7	4·9	4·3	+0·2	23·54	2·68	Hyderabad (Deccan).	
71·0*	73·3	74·7	73·4*	·722*	·744	·769	·775*	—·035*	80*	70	68	76*	−3*	4·1	3·8	4·0	+0·2	33·66	3·24	Bombay.	West Coast.
59·5	73·9	75·4	72·9	·698	·744	·772	·752	—·025	87	69	67	77	−2	2·5	3·0	2·8	−0·9	88·06	5·36	Karwar.	
67·2	72·6	73·4	71·1	·633	·648	·615	·628		85	55	46	60		3·5	5·7	4·6		31·20	3·77	Periyakulam.	South India.
69·5	75·0	77·3	73·7	·690	·750	·759	·743	+·036	86	63	52	69	−1	4·3	6·1	5·2	+0·3	28·89	2·00	Salem.	
63·1	68·4	69·4	67·0	·534	·561	·528	·551	+·020	78	56	45	62	+1	3·9	4·6	4·3	—0·8	16·26	1·91	Chitaldroog.	
62·1	67·1	67·4	65·5	·538	·555	·499	·541	—·001	88	60	46	67	−1	4·4	5·0	4·7		35·06	3·88	Bangalore.	
60·5	67·1	67·4	65·0	·521	·545	·519	·538	+·006	92	58	51	69	0	5·3	6·4	5·9	−0·3	24·09	2·25	Hassan.	
63·9	68·3	69·0	67·1	·577	·569	·524	·566	+·009	89	58	46	67	0	6·2	6·6	6·4	+0·3	20·89	2·26	Mysore.	
															Imperfect.					Pudukkottai.	
	76·7	77·1	75·7		·788	·813	·811	+·002		62	65	74	−3	4·6	4	4·7	—0·4	42·72	5·05	Madras.	

† Mean of 10 months. ‡ Meau of 9 months.

Table

Abstract of observations taken at 8 h.

Number of rainfall division.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 A.M. in inches. Mean 8 h. pressure reduced to 32°.	Departure from normal.	Mean 8 h. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during year.	Lowest pressure recorded during year.	Absolute range during year.	Mean monthly range of pressure.	Temperature of air. Mean of 8 h. temperature of year.	Mean maximum of year.	Departure from normal of year.	Mean minimum of year.	Departure from normal of year.	Yearly mean of mean between maximum and minimum.	Departure from normal of year.	Mean daily range of temperature.	Highest temperature observed during year.	Lowest temperature observed during year.	Absolute range during year.	Mean monthly absolute range.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
8	Shillong	4,920	25·146		25.098	25·434	24·917	·517	·258	60·0	69·1		52·5		60·8		16·6	80·6	27·0	53·6	30·3
	Cherra Poonjee	4,309	25·690		25·641	25·972	25·387	·585	·256	60·7	67·7		56·0		61·9		11·7	80·2	33·0	47·2	22·5
50	Mount Abu	3,945	26·034	+·006	25·984	26·302	25·648	·654	·221	66·2	74·5	−1·6	61·3	−0·8	67·9	−1·2	13·2	97·7	32·0	65·7	28·3
42	Pachmarhi	3,528								67·7	80·1	+0·6	59·9	−1·3	70·0	−0·4	20·2	103·2	31·3	71·9	34·5
34	Wellington	6,200	24·268	+·014	24·201	24·408	24·115	·293	·131	62·2	72·1	+0·9	53·1	−0·4	62·6	+0·3	19·0	80·2	37·2	43·0	30·5
	Ootacamund	*7,322*	23·052		22·985	23·181	22·951	·230	·127	57·0	66·0		49·6		57·8		16·4	76·6	34·1	42·5	26·3
57	Kodaikanal	7,688	22·845		22·780	22·954	22·711	·243	·115	56·9	65·1		51·1		56·6		14·0	74·7	39·8	34·9	23·4
	XIII.—Extra India.																				
	Trincomalee	12	29·916	+·028?	29·854	30·091	29·725	·366	·147	79·1	88·6	0	76·4	0	82·5	0	12·2	96·5	68·0	28·5	19·6
	Colombo	40	29·913	+·009	29·879	30·052	29·772	·280	·131	80·1	87·1	+0·1	76·0	+0·5	81·6	+0·3	11·1	93·5	67·0	26·5	17·6
	Meshed*	3,104								54·3			44·1	−0·1					−1·0		
	Teheran	*4,002*																			
	Ispahan	*5,817*	24·269†			24·540	23·930	·610	·354	52·1	73·0	−1·1	45·4	+0·2	59·2	−0·5	27·6	102·7	−2·8	105·5	46·4
	Bushire	14	29·877	+·015	29·850	30·350	29·381	·969	·319	72·8	81·0	−1·2	67·9	−0·6	74·5	−0·9	13·1	104·5	34·4	70·1	31·6
	Bahrein	18**	29·907			30·374	29·448	·926	·302	77·0	83·7		72·5		78·1		11·2	105·4	42·4	63·0	27·2
	Jask	13	29·859	−·007	29·829	30·341	29·417	·924	·286	77·7	85·4	−1·2	73·0	−0·4	79·2	−0·8	12·4	104·2	44·3	59·9	26·3
	Muscat	20	29·867	+·008	29·835	30·329	29·403	·926	·291	81·0	87·2	+3·8	78·1	−0·5	82·7	+1·7	9·1	107·7	57·1	50·6	21·9
	Baghdad	220	29·796	−·001	29·996	30·375	29·341	1·034	·399	66·2	86·8	+1·9	59·2	−0·1	73·0	+0·9	27·6	119·9	18·6	101·3	46·8
	Busrah	25																			
	Aden	94	29·837	+·012	29·863	30·127	29·534	·593	·208	83·2	87·5	−0·8	78·6	+0·8	83·1	0	8·9	97·3	62·4	34·9	16·2
	Perim	201	29·718	+·029	29·853	30·001	29·497	·504	·136	83·9	89·9	+0·1	80·2	+1·1	85·1	+0·6	9·7	100·3	69·2	31·1	15·2
	Kabul	...	24·270			24·87	23·869	1·004	·389	52·8	70·4	−1·6	39·6	−2·9	55·0	−2·2	30·7	102·1	−2·6	104·7	53·7
	Kashgar	4,255	25·589			26·210	25·120	1·090	·553	48·8	65·9	−0·3	41·4	−2·0	53·7	−1·1	24·5	102·1	−5·3	107·4	49·8
	Amini Divi	*13*								82·7	87·7	+1·4	76·9	−0·2	82·3	+0·6	10·8	95·0	66·5	28·5	18·6
	Minicoy	7	29·963		29·896	30·101	29·803	·298	·132	82·3	86·8	+0·2						93·3			
	Zanzibar	72††	29·979	−·013	29·978	30·157	29·820	·337	·143	78·9	84·7	+1·1	76·6	+0·1	80·7	+0·6	8·1	91·7	69·9	21·8	14·6
	Do. Dunga*	*154*	29·911		29·994	30·062	29·779	·283	·127	77·3	86·6		72·0		79·3		14·6	95·7	62·8	32·9	21·8
	Penang(*a*)	20	29·924		29·869	29·982	29·857	·125	·073	80·9	89·8		73·8		81·8		16·0	94·0	67·0	27·0	20·9
	Singapore(*a*)	10	29·962		29·893	30·075	29·889	·186	·097	83·8	89·0		74·0		81·5		15·0	94·4	68·9	25·5	21·6

N.B.—Elevations in italics indicate barometrical determinations.

NOTE—The barometric readings are not reduced to sea level in the cases of hill or plateau stations the elevations of which exceed 3,200 feet.

** 90 feet upto 8th November 1905. † Aneroid uncorrected. * Mean of 11 months.

†† 73 feet upto 19th February 1905. (*a*) 9 h. observations.

NOTE 1.—When a query is inserted against any reading or in the returns of any

" 2.—The data from which divisional means of the figure columns Nos. 8

—*concld.*

at 228 stations in India, Burma, etc., in the year 1905—concld.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Wind velocity. Mean daily velocity in miles per hour, instrumental errors uncorrected.	Normal (uncorrected).	Percentage departure from normal.	Mean velocity corrected (where possible).	Hygrometry 8 h. Mean humidity at 8 h. of year	Departure from normal of year.	Mean vapour tension at 8 h. of year.	Departure from normal of year.	Cloud. Mean cloud amount at 8 h. of year.	Departure from normal of year.	Rainfall. Number of rainy days during year.	Normal number of rainy days during year.	Departure from normal of year.	Rainfall of year.	Normal rainfall of year.	Departure from normal of year.	Heaviest rainfall during year.	Station.	Number of District.
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
245		3	16	8	11	75	5	2	2·3			2·6	75		·417		4·6		135	120·40	+14·60	95·38	79·72	+15·66	4·74	Shillong	8
73	8	87	22	14	21	70	65	4	6·4			5·7	81		·455		6·0		163	161·70	+ 1·30	496·27	438·85	+57·42	16·12	Cherra Poonjee (c).	
44	40	39	6	10	9	146	34	37	9·3	7·0	+33	9·4	52	−3	·342	−·029	3·7	+0·4	30	54·20	−24·20	38·48	61·73	−23·25	8·45	Mount Abu	50
38	18	27	15	22	13	72	78	79	7·3	5·2	+40	7·5	57	−3	·385	−·049	3·2	−0·7	61	79·20	−18·20	79·03	76·21	+ 2·82	8·00	Pachmarhi (c)	42
207	24	35	16	15	10	43	11	4	2·7	3·3	−18		71	+3	·403	+·013	5·0	+0·6	92	86·80	+ 5·20	66·94	50·75	+16·19	4·82	Wellington	34
61	16	33	76	43	22	24	76	14	5·1			4·8	66		·311		5·1		89	90·70	− 1·70	51·54	46·60	+ 4·94	4·29	Ootacamund.	
	47	38	63	39	32	12	53	81	13·0				69		·311		4·3		97	99·40	− 2·40	59·96	64·82	− 4·86	8·84	Kodaikanal	57
																										XIII.—Extra India.	
121	1	36				200	6		6·0				86	+5	·855	−·009	3·0	−0·3	67			47·56	62·37	−14·81	2·60	Trincomalee (c).	
1	30	58	44	49	13	97	69	4	3·3	7·6	+ 9		83	+6	·862	+·017	5·2	+0·1	95			65·06	89·59	−24·53	3·00	Colombo.	
													69		·317		2·2	?	14			5·96	8·06	−2·10	0·86	Meshed.	
																										Teheran	
297	7	7	4	3	3	11	25	7	2·3			2·9	63	−1	·301	−·018	2·3	+0·2	14			3·49	3·64	−0·15	0·40	Ispahan (c)	
47	45	59	48	55	14	5	14	74	9·4	8·4	+12	10·3	75	+8	·645	+·037	2·1		15			4·62	12·11	−7·49	1·15	Bushire (d)	
10	85	20	19	15	19	15	35	131	8·8			7·5	78		·769		1·0		6			1·68			0·45	Bahrein (e)	
60	23	48	136	19		13	5	60	10·5			8·8	73	+2	·737	0	3·8	+2·2	14			7·46	4·46	+3·00	1·38	Jask (c)	
212	26	4	3	36	4	1	15	58	3·6			3·7	63	−6	·712	−·030	3·2	+1·6	11			5·59	4·43	+1·16	1·24	Muscat (f).	
164	31	10	7	8	13	1	20	84	3·6	3·7	− 3	4·8	55	−4	·363	−·046	1·9	+0·7	10			3·22	9·04	−5·82	0·61	Baghdad (g)	
																										Busrah	
5	21	134	97	48	5	27	9	18	10·5	11·5	− 9	8·5	75	+2	·851	+·070	2·6	−1·6	4			5·04	2·97	+2·07	1·77	Aden (c)	
	21	11	190	61	24	2	33	23	16·8			17·1	71	−2	·838	+·013	2·1	−1·9	6			2·83	1·92	+0·91	0·94	Perim	
	36	104	71	29	49	13	26	35					67		·327		1·8	?	18			10·96	11·53	−0·57	0·99	Kabul (h).	
273	2	3	7	8	2	8	9	52	2·3			2·1					3·3	−0·9	11			6·69	3·99	+2·70	3·08	Kashgar (c).	
73	48	82	6	2	2	14	69	69					75	?	·842	?	5·5	?	73			59·98	48·41	+11·57	5·50	Amini Divi.	
	102	55	12	5	5	20	77	87	7·0			7·5	77	−2	·842	−·006	4·7	+0·1	76			62·00	57·48	+4·52	4·48	Minicoy.	
	52	48	14	47	120	76	4	4	6·8			6·4	85	+2	·840	+·023	6·2	+0·3	92			73·71	55·04	+18·67	5·21	Zanzibar.	
162	14	48	3	15	15	38	3	1	4·7			4·6	88		·828		6·6		105			73·89			6·10	Do. Dunga (i).	
62	59	98	57	22	43		1	23	10·8								0·8		111			78·31			2·86	Penang.	
	7	103	31	85	58	48	13	19	5·1								4·4		128			82·69			4·13	Singapore (c).	

station, the data for that station are not utilized in calculating the provincial departures from normal.
39 and 41 are derived are incomplete.

(c) Wind direction for 364 days.
(d) " " 362 "
(e) " " 349 "

(f) Wind direction of 359 days.
(g) " " " [illegible] "
(h) " " " [illegible] "
(i) " " " 299 "

TABLE II.—Abstract of Observations taken at 10 h. and 16 h. at 64 Stations in India, Burma, etc., in the year 1905.

Table

Abstract of Observations recorded at 10 h. and 16 h.

Meteorological Province.	Station.	Elevation of bar cistrn above sea-level in feet.	Pressure. Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean reduced to S. L. and for gravity 45° Lat.	Temperature of air. Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily mean.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Burma Coast and Bay Islands.	Port Blair	61	29·893	29·801	·092	29·848	+·032	29·840	87·1	77·3	9·8	96·0	68·5	27·5	84·0	84·9	81·2	0
	Rangoon	57	·874	·761	·113	·819	+·007	·814	88·6	73·3	15·3	103·5	58·5	45·0	83·2	85·4	79·0	-0·2
	Diamond Island	41	·897	·794	·103	·847	+·011	·823	84·5	76·1	8·4	92·2	68·2	21·0	82·8	83·0	80·0	-0·1
	Cocos Island	119	·816	·718	·098	·769		·820	86·2	77·0	9·2	97·2	70·8	26·4	82·8	82·9	80·5	
	Akyab	20	·902	·796	·106	·849	+·012	·811	84·6	71·6	13·0	94·9	51·1	43·8	79·4	81·9	77·8	-1·1
Bengal and Orissa	Chittagong	87	·823	·718	·105	·769	+·014	·721	83·5	68·7	14·8	92·7	46·4	46·3	78·6	80·4	75·9	-1·0
	Calcutta (Alipore)	21	·862	·749	·113	·804	+·017	·771	86·0	69·8	16·2	106·1	45·9	60·2	80·4	83·8	77·3	-0·7
	Saugor Island	25	·847	·738	·109	·790	+·006	·759	85·3	72·9	12·4	98·6	45·7	52·9	80·6	82·5	77·9	-0·5
	False Point	21	·867	·760	·107	·727	+·012	·773	85·2	71·9	13·3	108·5	48·0	60·5	81·8	82·3	77·4	-0·4
Gangetic Plain and Chota Nagpur.	Hazaribagh	2,007	27·841	27·747	·094	27·792	+·001	·745	83·5	64·8	18·7	107·9	37·6	70·3	77·0	80·4	73·3	-1·0
	Allahabad	309	29·553	29·438	·115	29·490	+·014	·754	89·0	65·5	23·5	114·5	34·3	80·2	80·9	87·3	76·0	-1·2
Upper Sub-Himalayas.	Dehra Dun	2,233	27·621	27·538	·083	27·573	+·001	·780	79·7	59·0	20·7	104·6	30·1	74·5	71·6	75·5	68·5	-1·7
	Roorkee	859	28·943	28·843	·100	28·886	+·010	·759	84·6	60·8	23·8	111·6	28·4	83·2	75·6	82·1	71·3	-2·2
	Meerut	738	29·048	·948	·100	·992	+·009	·695	88·3	66·7	21·6	112·0	31·1	80·9	79·3	85·9	76·3	-1·2
	Lahore	702	·125	29·037	·088	29·073	+·002	·747	87·9	63·7	24·2	116·8	30·1	86·7	78·2	85·8	74·7	-0·1
	Ludhiana	812	·009	28·941	·068	28·963	+·002	·748	86·4	64·1	22·3	114·8	30·0	84·8	77·1	84·5	74·0	-0·3
Indus Valley and N.-W. Rajputana.	Peshawar	1,110	28·749	·651	·098	·693	+·002	·791	83·9	59·3	24·6	117·0	28·1	88·9	75·8	81·3	70·5	-0·9
	Jacobabad	186	29·641	29·536	·105	29·586	+·001	·732	95·6	65·5	30·1	124·0	25·0	99·0	85·8	92·1	79·5	+0·1
	Kurrachee	30	·872	·778	·094	·823	+·022	·804	86·8	70·0	16·8	106·7	40·4	66·3	81·4	83·2	77·4	-0·2
Eastern Rajputana, Central India and Gujarat.	Jaipur	1,431	28·449	28·343	·106	28·390	+·013	·771	91·1	66·3	24·8	113·7	28·0	85·7	81·8	88·9	77·4	+0·3
	Udaipur	1,925?	27·972	27·871	·101	27·919		·782	88·1	64·5	23·6	112·0	31·4	80·6	80·4	85·9	76·0	
	Deesa	466	29·432	29·315	·117	29·370	+·020	·785	94·7	66·9	27·8	118·5	35·1	83·4	84·6	92·6	80·5	+0·3
	Jamnagar	61	·857	·752	·105	·801		·807	89·9	68·4	21·5	106·6	36·4	70·2	83·3	86·8	78·1	
Deccan	Belgaum	2,539	27·400	27·297	·103	27·348	+·019	·792	85·1	63·6	21·5	99·2	49·9	49·3	78·0	82·1	72·9	+0·1
	Sholapur	1,590	28·329	28·191	·138	28·262	+·013	·778	93·8	68·7	25·1	111·2	48·1	63·1	83·2	91·3	79·9	+0·7
	Akola	930	·971	·835	·136	·902	+·018	·771	93·1	66·3	26·8	114·0	38·6	75·4	83·9	91·3	78·3	-0·3
	Buldana	2,132	27·783	27·671	·112	27·722	—·004	·776	87·5	66·9	20·6	107·6	45·1	62·5	79·9	85·4	76·1	-0·6
	Khandwa	1,044	28·851	28·722	·129	28·785	+·017	·783	91·8	66·0	25·8	113·7	36·7	77·0	82·2	90·4	78·4	-0·4
	Nagpur	1,025	·863	·733	·130	·797	+·025	·771	91·7	67·8	23·9	114·6	45·4	69·2	82·3	89·5	78·9	-0·7
	Nagpur (Sanitary Commr.'s Office,)	1,013	·868	·735	·133	·800		·765	92·3	67·9	24·4	115·9	45·4	70·5	83·3	89·9	79·2	
	Hyderabad (Deccan)	1,690	·223	·100	·123	·164	+·018	·780	91·0	69·3	23·3	108·2	48·1	60·1	82·5	88·4	79·2	+0·7
West Coast	Bombay	37	29·904	29·806	·098	29·852	+·025	·829	86·0	74·4	11·6	94·7	56·1	38·6	80·4	82·4	79·1	-0·1
	Karwar	44	·917	·819	·098	·869	+·029	·847	85·6	72·1	13·5	92·9	56·8	36·1	81·3	84·0	77·8	-0·6
South India	Periyakulam	944	28·997	28·861	·136	28·943		29·814	93·0	70·2	22·8	101·6	55·0	46·6	84·4	89·2	80·7	
	Salem	940	29·018	·87	·142	·955	+·008	·823	94·5	72·4	22·1	104·7	57·6	47·1	84·3	91·6	81·9	+1·3
	Chitaldroog	2,405	27·543	27·427	·116	27·488	+·014	·795	88·0	67·7	20·3	101·3	56·5	44·8	79·7	85·2	76·5	+1·0
	Bangalore	3,021	26·967	26·853	·114	26·905	+·013	·806	85·5	64·4	21·1	97·5	51·9	45·6	77·0	82·8	73·6	+0·9
	Hassan	3,091	·911	·804	·107	·861	+·026	·822	85·6	62·0	23·6	97·8	45·3	52·5	77·9	81·2	72·5	+1·1
	Mysore	2,518	27·458	27·336	·122	27·401	+·010	·818	87·2	66·0	21·2	100·4	54·6	45·8	78·7	84·3	75·[illegible]	+0·6
	Pudukkottai									Imperfect.								
	Madras	22	29·908	29·761	·117	29·854	+·011	·805	91·7	75·3	16·4	108·2	57·4	50·8	86·8	86·3	82·1	+0·7

* Mean of 11 months.

II.

at 64 Stations in India, Burma, etc., in the year 1905.

Temperature, Wet-bulb.				Vapour Tension.					Humidity.					Cloud.				Rainfall.			
Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns.	Departure from normal.	Total rainfall for the year.	Heaviest rainfall during the year.	Station.	Meteorological Province.
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
74·4	78·6	78·6	77·2	·817	·907	·895	·891	—·012	86	78	75	82	−2	5·6	5·8	5·7	—0·2	101·24	5·41	Port Blair.	Burma Coast and Bay Islands.
70·7	75·5	75·5	73·9	·725	·787	·760	·774	—·021	87	70	64	79	−3	4·8	5·4	5·1	—0·2	104·98	4·60	Rangoon.	
72·0	76·4	76·2	74·9	·733	·832	·818	·808	−·015	81	74	72	78	−3	4·6	4·9	4·8	−0·5	112·31	4·16	Diamond Island.	
73·3	76·6	76·6	75·4	·777	·850	·814	·838	+·003*	83	77	76	81	+1*	5·4	5·7	5·6	+0·5	88·75	4·15	Cocos Islands.	
	75·0	75·3			·831	·819				81	74			4·1	3·7	3·9	−0·8	235·50	12·34	Akyab.	
65·2†	73·2	73·6	69·8†	·619†	·771	·757	·701†	−·036†	89†	76	71	80†	−1†	4·8	4·3	4·6	—0·3	152·47	10·67	Chittagong	Bengal and Orissa.
67·6	73·1	73·6	71·4	·683	·749	·722	·734	−·011	89	69	61	75	−1	5·2	5·0	5·1	+0·6	69·76	7·23	Calcutta (Alipore).	
69·9	74·9	75·2	73·3	·728	·815	·801	·796	—·024	86	75	70	78	−2	5·4	5·2	5·3	0	76·49	4·58	Saugor Island.	
69·9	75·1	75·4	73·4	·739	·800	·802	·790	−·021	91	72	71	79	—3	5·6	5·7	5·7	+0·8	51·80	4·57	False Point.	
59·5	64·2	65·1	63·2	·481	·471	·453	·481	—·016	74	50	44	59	0	4·8	5·4	5·1	+0·2	53·11	3·48	Hazaribagh	Gangetic Plain and Chota Nagpur.
61·7	68·3	70·2	66·8	·548	·574	·559	·572	+·005	81	54	44	63	+1	3·6	4·0	3·8	+0·3	28·65	4·79	Allahabad.	
54·9	45·0	62·9	59·8	·422	·463	·455	·456	−·011	77	57	50	64	0	3·9	4·6	4·3	+0·3	54·97	3·85	Dehra Dun	Upper Sub-Himalayas.
57·2	64·6	65·7	62·5	·473	·510	·457	·488	—·013	82	55	41	62	+2	2·5	2·4	2·5	−0·6	21·38	1·77	Roorkee.	
61·6	66·9	68·3	65·6	·538	·545	·505	·542	−·034	76	52	40	59	−1	3·3	3·5	3·4	−0·1	17·86	2·43	Meerut.‡	
58·4	66·5	68·9	64·6	·475	·544	·530	·527	+·036	75	55	43	60	+4	2·4	2·5	2·5	—0·4	17·42	6·61	Lahore.	
59·0	64·3	65·4	62·9	·487	·484	·423	·474	−·032	76	51	35	57	−2	1·7	2·2	2·0	—1·5	16·13	1·80	Ludhiana.	
53·1	62·1	63·4	59·5	·375	·441	·412	·419	−·015	68	47	37	53	−2	2·5	3·5	3·0	—0·2	15·24	1·61	Peshawar	Indus Valley and N.-W. Rajputana.
58·4	69·1	70·6	66·1	·451	·540	·504	·509	+·029	67	43	34	50	+4	1·4	1·4	1·4	—0·5	2·21	0·42	Jcobabad.	
65·6	70·9	72·8	69·8	·616	·658	·701	·682	—·015	77	52	59	70	−1	4·0	3·8	3·9	+0·9	3·64	0·86	Kurrachee.	
57·2	64·9	66·2	62·8	·400	·439	·394	·418	−·047	57	39	28	45	−8	2·7	3·8	3·3	−0·4	4·73	0·83	Jaipur	Eastern Rajputana, Central India and Gujarat.
59·0	68·0	70·9	65·9	·474	·567	·602	·551		72	52	47	58		2·6	2·9	2·8		17·43	3·96	Udaipur.	
59·6	67·5	68·5	65·2	·465	·475	·39	·449	−·028	61	39	26	43	−3	2·9	2·7	2·8	−0·5	19·71	7·06	Deesa.	
63·4	69·7	70·1	67·7	·562	·573	·539	·578		73	48	41	58		2·4	2·1	2·3		6·73	1·83	Jamnagar.	
60·8	65·7	67·3	64·6	·512	·488	·492	·511	—·022	85	53	48	66	−2	4·5	5·0	4·8	—0·2	28·74	1·64	Belgaum	Deccan.
60·1	66·8	68·7	64·8	·440	·461	·429	·456	−·041	59	40	31	46	−6	3·8	5·2	4·5	−0·2	14·79	1·67	Sholapur.	
58·9	68·6	70·3	65·9	·440	·520	·476	·485	−·011	63	44	34	49	−3	3·3	4·3	3·8	0	19·19	3·03	Akola.	
58·0	65·1	66·2	63·1	·398	·459	·426	·430	−·024	57	44	36	48	−4	2·9	3·8	3·4	—0·5	26·01	2·61	Buldana.	
56·6‡	66·0*	67·7*	62·4‡	·434‡	·475*	·424*	·443‡	−·052‡	69‡	43*	32*	52‡	−6‡	2·3	2·8	2·6	—0·9	27·70	5·95	Khandwa.	
60·8	67·9	69·5	66·1	·480	·527	·491	·508	−·025	66	47	37	52	−3	3·1	4·5	3·8	—0·7	51·24	6·10	Nagpur.	
60·9	68·0	69·6	66·1	·482	·519	·489	·503		67	46	37	52		3·1	4·4	3·8		51·16	5·60	Nagpur (Sanv. Commr.'s Office).	
58·2	69·4	70·5	61·9	·494	·566	·534	·500	—·021*	68	51	41	52	−3*	3·7	4·9	4·3	+0·2	23·54	2·68	Hyderabad (Deccan).	
71·0*	73·3	74·7	73·4*	·722*	·744	·769	·775*	—·035*	80*	70	68	76*	−3*	4·1	3·8	4·0	+0·2	33·66	3·24	Bombay	West Coast.
59·5	73·9	75·4	72·9	·698	·744	·772	·752	—·025	87	69	67	77	−2	2·5	3·0	2·8	−0·9	88·06	5·36	Karwar.	
67·2	72·6	73·4	71·1	·633	·648	·615	·628		85	55	46	60		3·5	5·7	4·6		31·20	3·77	Periyakulam	South India.
69·5	75·0	77·3	73·7	·690	·750	·759	·743	+·036	86	63	52	69	−1	4·3	6·1	5·2	+0·3	28·89	2·00	Salem.	
63·1	68·4	69·4	67·0	·534	·561	·528	·551	+·020	78	56	45	62	+1	3·9	4·6	4·3	—0·8	16·26	1·91	Chitaldroog.	
62·1	67·1	67·4	65·5	·538	·555	·499	·541	—·001	88	60	46	67	—1	4·4	5·0	4·7		35·06	3·88	Bangalore.	
60·5	67·1	67·4	65·0	·521	·545	·519	·538	+·006	92	58	51	69	0	5·3	6·4	5·9	−0·3	24·09	2·25	Hassan.	
63·9	68·3	69·0	67·1	·577	·569	·524	·566	+·009	89	58	46	67	0	6·2	6·6	6·4	+0·3	20·89	2·26	Mysore.	
															Imperfect.					Pudukkottai.	
	76·7	77·1	75·7		·788	·813	·811	+·002		62	65	74	—3	4·6	4	4·7	—0·4	42·72	5·05	Madras.	

† Mean of 10 months. ‡ Mean of 9 months.

Table

Abstract of Observations recorded at 10 h. and 16 h

Meteorological Province.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure. Mean of 10 h.	Mean of 16 h.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Temperature of air. Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 h.	Mean 16 h.	Mean of daily mean.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
South India—*concld.*	Bellary	1,475	28·446	28·311	·135	28·380	−·002	29·783	94·4	71·2	23·2	107·0	53·1	53·9	84·0	90·6	81·7	+1·0
	Waltair	*226*	29·677	29·568	·109	29·620	+·023	·780	86·7	75·0	11·7	104·9	62·9	42·0	83·6	83·2	79·8	−0·6
Hill Station, Baluchistan.	Quetta	5,502	24·635*	24·563*	·072	24·592*		24·552*	71·7	43·4	28·3	99·1	8·6	90·5	64·4	68·0	57·3	
Hill Stations, Northern India.	Leh	11,503	19·679	19·587	·092	19·634	−·029	19·602	52·0	27·9	24·1	82·2	−8·1	90·3	42·5	48·8	38·3	−2·7
	Srinagar	5,204	24·888	24·803	·085	24·842	−·015	24·813	65·2	44·1	21·1	96·8	18·1	78·7	54·8	62·9	53·0	−0·3
	Sarain	...	23·146	23·090	·056	23·110			59·9	41·2	18·7	79·6	9·8	69·8	55·2	53·9	50·4	
	Kalabagh									Imperfect.								
	Simla (Ridge)	7,224	23·103	23·055	·048	23·071	−·012	23·033	58·8	47·6	11·2	80·4	18·2	62·2	54·2	55·8	53·2	−1·9
	Chakrata	7,022	·272	·227	·045	·243	−·009	·203	61·9	47·8	14·1	82·6	19·4	63·2	56·8	56·7	54·6	−2·1
	Ranikhet	6,069	24·092	24·025	·067	24·051	−·008	24·010	65·3	51·2	14·1	87·3	22·4	64·9	60·2	61·4	58·0	−2·4
	Muktesar	7,600	22·822	22·761	·061	22·784		22·742	60·9	46·5	14·4	81·5	17·9	63·6	54·1	57·2	53·4	
	Katmandu	4,388	25·634	25·531	·103	25·580	+·014	25·534	74·9	53·3	21·6	92·4	27·2	65·2	65·9	70·9	65·8	−0·7
	Darjeeling	7,376	22·993	22·955	·038	22·971	−·019	22·923	57·7	46·3	11·4	72·6	22·8	49·8	54·0	55·5	51·8	−0·8
Hill Stations, Central India.	Mount Abu	3,945	26·052	25·984	·068	26·013	+·005	25·964	74·6	61·3	13·3	97·7	32·0	65·7	69·9	72·4	67·3	−1·5
	Pachmarhi	3,528	·531†	26·447†	·084	·483†	−·001†	26·430†	80·1	59·8	20·3	103·2	31·3	71·9	72·5	77·8	69·7	−0·3
	Chikalda	3,642	·344	·253	·091	·294	−·003	·238	79·9	62·7	17·2	101·0	40·9	60·1	73·0	77·8	71·0	−0·6
Hill Stations, South India.	Kodaikanal	7,688	22·860	22·792	·068	22·824		22·760	65·1	51·1	14·0	74·7	39·8	34·9	61·5	59·6	57·3	
	Ootacamund	*7,322*	23·067	23·003	·064	23·015		·968	66·0	49·6	16·4	76·6	34·1	42·5	62·5	61·1	57·6	
	Dodabetta	8,539?	22·064	22·007	·057	22·032		21·969	58·9	47·4	11·5	70·2	38·8	31·4	56·3	54·9	52·9	
Extra India	Aden	94	29·852	29·734	·118	29·789		29·814	89·1‡	78·6	10·5	97·1	64·5	32·6	85·2	87·0	83·5‡	
	Perim	201	·725	·612	·113	·665		·798	89·9	80·2	9·7	100·3	69·2	31·1	86·4	87·4	84·2	
	Minicoy*	7	·973	·907	·066	·944		·877	86·7			93·3			84·2	83·7		
	Zanzibar	72	·979*	·877	·102	·927*		·926*	84·8	76·5	8·3	91·7	69·9	21·8		83·8	79·8	
	Port Victoria (Seychelles).	15	·990	·904	·086	·953		·892	83·8	77·8	6·0	88·4	71·4	17·0	81·8	82·6	79·6	
	Mauritius (Pamplemouses).	181				·879		30·007				89·0	52·3	36·7			73·5	

* Mean of 11 months. † Mean of 6 months. N.B.—Elevations in italics indicate barometrical determinations

I—concld.

164 Stations in India, Burma, etc., in the year 1905—concld.

Temperature, Wet-bulb.				Vapour Tension.					Humidity.					Cloud.				Rainfall.		Station.	Meteorological Provinces.
Mean minimum.	Mean 10 h.	Mean 16 h.	Mean of three previous columns.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 h.	Mean 16 h.	Mean of daily means.	Departure from normal.	Mean 10 h.	Mean 16 h.	Mean of two previous columns	Departure from normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
63·9	70·9	72·3	69·0	·519	·604	·577	·576	—·029	66	52	41	55	0	4·2	5·1	4·7	—0·8	16·98	2·30	Bellary.	South India—*concld.*
70·4	73·9	74·5	73·0	·695	·721	·748	·738	—·023	78	62	65	71	+1	5·7	5·9	5·8	+1·5	33·88	2·16	Waltair.	
39·6	49·1	50·2	46·3	·224	·217	·202	·215		76	40	35	52		1·9	2·9	2·4		15·05	1·23	Quetta . .	Hill Station, Baluchistan.
28·7	32·7	37·0	32·8	·123	·136	·155	·137	+·002	64	42	39	50	—1	4·7	6·0	5·4	—0·2	3·99	0·54	Leh . .	Hill Stations, Northern India.
41·9	51·2	57·8	50·3	·275	·393	·497	·362	—·001	85	80	75	80	0	4·4	5·1	4·8	+0·3	26·46	2·26	Srinagar.	
	46·2	46·4			·247	·268				54	62			4·4	4·9	4·7		61·38	5·03	Sarain.	
																				Kalabagh.	
42·1	46·3	48·1	45·5	·237	·260	·287	·262	—·021	67	57	61	63	+2	4·9	5·4	5·2	0	51·10	3·46	Simla (Ridge).	
43·4	49·1	49·7	47·4	·262	·298	·313	·293	—·010	73	61	63	67	+3	4·0	5·2	4·6	0	67·96	4·77	Chakrata.	
47·2	52·1	52·8	50·7	·310	·337	·343	·331	—·012	77	61	59	67	+2	4·1	4·7	4·4	0	43·29	1·74	Ranikhet.	
42·0	47·3	49·6	46·3	·247	·284	·305	·281		72	63	62	67		5·1	5·9	5·5		43·09	3·01	Muktesar.	
52·1	59·0	61·0	57·4	·425	·458	·455	·447	—·003	93	67	57	74	+1	3·7	4·9	4·3	—0·3	53·60	2·00	Katmandu.	
45·0	51·5	53·1	50·1	·310	·380	·404	·365	+·010	90	84	86	88	+2	6·6	7·2	6·9	+0·2	151·42	6·58	Darjeeling.	
53·0	57·2	58·2	56·1	·331	·343	·346	·342	—·023	58	47	43	52	—1	3·4	3·8	3·6	+0·1	38·48	8·45	Mount Abu .	Hill Stations Central India.
53·6	59·4	61·6	58·2	·373	·372	·378	·376	—·046	69	47	42	55	—5	3·1	3·7	3·4	—1·0	79·03	8·00	Pachmarhi.	
55·5	60·5	62·5	59·5	·382	·400	·405	·398	—·034	64	50	45	56	—4	2·8	4·4	4·1	—0·2	54·32	5·28	Chikalda.	
46·6	54·1	55·4	52·0	·280	·351	·400	·342		74	65	79	73		4·7	7·1	5·9		59·96	3·80	Kodaikanal .	Hill Stations South India.
46·2	53·8	54·4	51·5	·284	·329	·358	·324		78	59	67	68		5·0	6·8	5·9		51·54	4·29	Ootacamund.	
	50·4	50·9			·312	·335				69	77			5·4	6·6	6·0		53·45	4·08	Dodabetta.	
74·5‡	78·5	76·1	76·9‡	·795‡	·893	·759	·854‡		80‡	74	59	72‡		1·8	0·7	1·3		5·01	1·77	Aden . .	Extra India.
71·6	76·9	77·4	75·3	·672	·810	·818	·792		64	64	62	64		1·0*	0·7*	0·9		2·83	0·94	Perim.	
	77·2	77·0			·843	·837				72	73			4·5	5·0	4·8		62·00	4·48	Minicoy.	
73·2		78·7		·779		·828			85		72				4·8			73·71	5·21	Zanzibar.	
73·1	76·2	76·5	75·2	·760	·834	·836	·828		79	76	75	79		6·0	6·2	6·1		92·55	4·30	Port Victoria (Seychelles).	
			69·4				·656					79						68·75	4·78	Mauritius (Pamplemouses).	

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

‡ Mean of 9 months.

G. I. C. P. O.—No. 401 Meteo.—3-4-06.—600.

Corrigenda in India Monthly Weather Reviews for the year 1905.

TEXT.

Page.	Column.	Part.	Correction.
15	...	January, 1905 .	*For* "87·4, 66·7, 77·1, 20·7, 29·6, —0·9, +0·7 and —1·6" *read* "86·6, 69·2, 77·9, 17·4, 26·2, —1·1, —0·1 and —1·0" respectively, against Tenasserim in the figure columns 1, 2, 3, 4, 5, 6, 7 and 8 of the 2nd tabular statement.
15	...	Ditto .	*For* "80·2, 53·5, 66·9, 26·7, and 37·3" *read* "79·2, 52·7, 66·0, 26·5 and 37·2" respectively, against Upper Burma in the figure columns 1, 2, 3, 4 and 5 of 2nd tabular statement.
15	...	Ditto .	*For* "52·9, 63·9, 22·0, —0·6, and —1·3" *read* "52·8, 63·8, 22·1, —0·9 and —1·0" respectively, against Eastern Bengal in the figure columns 2, 3, 4, 7 and 8 of the 2nd tabular statement.
15	...	Ditto .	*For* "59·8, 19·4, +0·4 and —2·6" *read* "59·7, 19·5, +0·2 and —2·4" respectively, against Orissa in the figure columns 2, 4, 7 and 8 of the 2nd tabular statement.
15	...	Ditto .	*For* "42·7, 51·8, 18·2, +2·0 and —10·1" *read* "42·3, 51·6, 18·6, +1·6 and —9·7" respectively, against Punjab (Central) in the figure columns 2, 3, 4, 7 and 8 of the 2nd tabular statement.
16	...	Ditto .	*For* "39·5, 50·1, 21·1, —0·5 and —5·2" *read* "38·9, 49·8, 21·7, —1·1 and —4·6" respectively, against North-West Frontier Province in the figure columns 2, 3, 4, 7 and 8 of the 1st tabular statement.
18	2	Ditto .	*For* "a deepish" *read* "a fairly deep" in the 1st line of para. 1.
29	...	Ditto .	*For* "2·7" *read* "2·8" against United Provinces (East) in the figure column 1 of the 2nd tabular statement.
29	...	Ditto .	*For* "3·0, 1·23 and +0·65" *read* "3·2, 1·33 and +0·75" respectively, against United Provinces (West) in the figure columns 1, 3 and 5 of the 2nd tabular statement.
29	...	Ditto .	*For* "5·2" *read* "5·1" against United Provinces (West Submontane) in the figure column 1 of the 2nd tabular statement.
29	...	Ditto .	*For* "7·0, 3·96 and +1·65" *read* "7·1, 3·95 and +1·64" respectively, against United Provinces (hills) in the figure columns 1, 3 and 5 of the 2nd tabular statement.
41	2	February 1905 .	*For* "contantly" *read* "constantly" in the 14th line of the solar and magnetic disturbances.
50	...	Ditto .	*For* "78·7, 61·0, 69·9, 17·7, —7·4, —4·1 and —3·3" *read* "78·9, 61·4, 70·2, 17·5, —7·1, —3·6 and —3·5 respectively, against Orissa in the figure columns 1, 2, 3, 4, 6, 7 and 8 of the 3rd tabular statement.
51	...	Ditto .	*For* "53·1, 31·5, —6·6, and +0·7," *read* "53·0, 31·4, —6·7, and +0·8" respectively, against Berar in the figure columns 2, 4, 7 and 8 of the 1st tabular statement.
51	...	Ditto .	*For* "—1·6" *read* "—1·7" against West Coast in the figure column 2 of the 2nd tabular statement.
61	...	Ditto .	*For* "0·71 and —1·12" *read* "0·72 and —1·11" respectively, against Assam (Surma) in the figure columns 3 and 5 of the tabular statement.
61	...	Ditto .	*For* "0·67 and +0·30" *read* "0·68 and +0·31" respectively, against United Provinces (Central) in the figure columns 3 and 5 of the tabular statement.
61	...	Ditto .	*For* "1·0, 0·94, 0·50 and +0·44" *read* "1·1, 0·95, 0·56 and +0·39" respectively, against United Provinces (West) in the figure columns 2, 3, 4 and 5 of the tabular statement.
61	...	Ditto .	*For* "4·5, 2·32 and +1·06" *read* "4·4, 2·29 and +1·03" respectively, against United Provinces (West Submontane) in the figure columns 1, 3 and 5 of the tabular statement.

Corrigenda in India Monthly Weather Reviews for the year 1905.

TEXT.

Page.	Column.	Part.	Correction.
15	...	January, 1905 .	*For* "87·4, 66·7, 77·1, 20·7, 29·6, —0·9, +0·7 and —1·6" *read* "86·6, 69·2, 77·9, 17·4, 26·2, —1·1, —0·1 and —1·0" respectively, against Tenasserim in the figure columns 1, 2, 3, 4, 5, 6, 7 and 8 of the 2nd tabular statement.
15	...	Ditto .	*For* "80·2, 53·5, 66·9, 26·7, and 37·3" *read* "79·2, 52·7, 66·0, 26·5 and 37·2" respectively, against Upper Burma in the figure columns 1, 2, 3, 4 and 5 of 2nd tabular statement.
15	...	Ditto .	*For* "52·9, 63·9, 22·0, —0·6, and —1·3" *read* "52·8, 63·8, 22·1, —0·9 and —1·0" respectively, against Eastern Bengal in the figure columns 2, 3, 4, 7 and 8 of the 2nd tabular statement.
15	...	Ditto .	*For* "59·8, 19·4, +0·4 and —2·6" *read* "59·7, 19·5, +0·2 and —2·4" respectively, against Orissa in the figure columns 2, 4, 7 and 8 of the 2nd tabular statement.
15	...	Ditto .	*For* "42·7, 51·8, 18·2, +2·0 and —10·1" *read* "42·3, 51·6, 18·6, +1·6 and —9·7" respectively, against Punjab (Central) in the figure columns 2, 3, 4, 7 and 8 of the 2nd tabular statement.
16	...	Ditto .	*For* "39·5, 50·1, 21·1, —0·5 and —5·2" *read* "38·9, 49·8, 21·7, —1·1 and —4·6" respectively, against North-West Frontier Province in the figure columns 2, 3, 4, 7 and 8 of the 1st tabular statement.
18	2	Ditto .	*For* "a deepish" *read* "a fairly deep" in the 1st line of para. 1.
29	...	Ditto .	*For* "2·7" *read* "2·8" against United Provinces (East) in the figure column 1 of the 2nd tabular statement.
29	...	Ditto .	*For* "3·0, 1·23 and +0·65" *read* "3·2, 1·33 and +0·75" respectively, against United Provinces (West) in the figure columns 1, 3 and 5 of the 2nd tabular statement.
29	...	Ditto .	*For* "5·2" *read* "5·1" against United Provinces (West Submontane) in the figure column 1 of the 2nd tabular statement.
29	...	Ditto .	*For* "7·0, 3·96 and +1·65" *read* "7·1, 3·95 and +1·64" respectively, against United Provinces (hills) in the figure columns 1, 3 and 5 of the 2nd tabular statement.
41	2	February 1905 .	*For* "contantly" *read* "constantly" in the 14th line of the solar and magnetic disturbances.
50	...	Ditto .	*For* "78·7, 61·0, 69·9, 17·7, —7·4, —4·1 and —3·3" *read* "78·9, 61·4, 70·2, 17·5, —7·1, —3·6 and —3·5 respectively, against Orissa in the figure columns 1, 2, 3, 4, 6, 7 and 8 of the 3rd tabular statement.
51	...	Ditto .	*For* "53·1, 31·5, —6·6, and +0·7," *read* "53·0, 31·4, —6·7, and +0·8" respectively, against Berar in the figure columns 2, 4, 7 and 8 of the 1st tabular statement.
51	...	Ditto .	*For* "—1·6" *read* "—1·7" against West Coast in the figure column 2 of the 2nd tabular statement.
61	...	Ditto .	*For* "0·71 and —1·12" *read* "0·72 and —1·11" respectively, against Assam (Surma) in the figure columns 3 and 5 of the tabular statement.
61	...	Ditto .	*For* "0·67 and +0·30" *read* "0·68 and +0·31" respectively, against United Provinces (Central) in the figure columns 3 and 5 of the tabular statement.
61	...	Ditto .	*For* "1·0, 0·94, 0·50 and +0·44" *read* "1·1, 0·95, 0·56 and +0·39" respectively, against United Provinces (West) in the figure columns 2, 3, 4 and 5 of the tabular statement.
61	...	Ditto .	*For* "4·5, 2·32 and +1·06" *read* "4·4, 2·29 and +1·03" respectively, against United Provinces (West Submontane) in the figure columns 1, 3 and 5 of the tabular statement.

Corrigenda in India Monthly Weather Reviews for the year 1905—*contd.*

TEXT.

Page.	Column.	Part.	Correction.
61	...	February, 1905	*For* "2·80 and +0·29" *read* "2·81 and +0·30" respectively, against United Provinces (hills) in the figure columns 3 and 5 of the tabular statement.
80	...	March, 1905	*For* "+0·1 and —3·5" *read* "0 and —3·4" respectively, against Orissa in the figure columns 7 and 8 of the tabular statement.
80	...	Ditto	*For* "70·3, 59·6, 21·3, —9·6 and —4·8" *read* "70·5, 59·7, 21·5, —9·4 and —4·6" respectively, against North-West Frontier Province in the figure columns 1, 3, 4, 6 and 8 of the tabular statement.
80	...	Ditto	*For* "65·7, 27·1, —0·4 and +0·8" *read* "65·8, 27·0, —0·3 and +0·7" respectively, against Mysore in the figure columns 2, 4, 7 and 8 of the tabular statement.
80	...	Ditto	*For* "61·2, 22·2, —2·1 and —4·6," *read* "61·1, 22·3, —2·2 and —4·5" respectively, against Sind in the figure columns 2, 4, 7 and 8 of the tabular statement.
80	...	Ditto	*For* "—2·5 and —5·0" *read* "—2·6 and —4·9" respectively, against Rajputana, (East) and Central India, (West), in the figure columns 7 and 8 of the tabular statement.
81	2	Ditto	*For* "—2·1" *read* "—2·2" against West Coast in the figure column 2 of the 1st tabular statement.
90	...	Ditto	*For* "0·05 and —0·12" *read* "0·06 and —0·11" respectively, against Lower Burma (Deltaic) in the figure columns 3 and 5 of the tabular statement.
90	...	Ditto	*For* "8·5, 4·53 and +0·95" *read* "8·7, 4·54 and +0·96" respectively, against Assam (Brahmaputra) in the figure columns 1, 3 and 5 of the tabular statement.
90	...	Ditto	*For* "2·6" *read* "2·7" against United Provinces (East) in the figure column 1 of the tabular statement.
90	...	Ditto	*For* "2·6, 0·82 and +0·42" *read* "2·7, 0·83 and +0·43" respectively, against Oudh (North) in the figure columns 1, 3 and 5 of the tabular statement.
90	...	Ditto	*For* "0·43, 0·35 and +0·08" *read* "0·45, 0·34 and +0·11" respectively, against United Provinces (West) in the figure columns 3, 4 and 5 of the tabular statement.
90	...	Ditto	*For* "1·18 and +0·48" *read* "1·20 and +0·50" respectively, against United Provinces (Submontane West) in the figure columns 3 and 5 of the tabular statement.
91	...	Ditto	*For* "0·43 and +0·25" *read* "0·48 and +0·30" respectively, against East Coast (Central) in the figure columns 3 and 5 of the 1st tabular statement.
107	2	April, 1905	*For* "—·007 and +·068" *read* "—·015 and +·076" respectively, against Leh and Lahore in the figure columns 1 and 3 of the tabular statement.
110	...	Ditto	*For* "—2·4 and —1·9" *read* "—2·5 and —1·8" respectively, against Orissa in the figure columns 7 and 8 of the tabular statement.
110	...	Ditto	*For* "—6·1 and —1·3" *read* "—6·2 and —1·4" respectively, against Central Bengal in the figure columns 6 and 8 of the tabular statement.
110	...	Ditto	*For* "94·8, 27·1, —6·4 and —0·8" *read* "94·9, 27·2, —6·3 and —0·7" respectively, against Chota Nagpur in the figure columns 1, 4, 6 and 8 of the tabular statement.
110	...	Ditto	*For* "68·7, 26·4, —5·8 and —1·6" *read* "68·8, 26·5, —5·7 and —1·7" respectively, against South Bihar in the figure columns 2, 4, 7 and 8 of the tabular statement.
110	...	Ditto	*For* "46·8" *read* "46·5" against North Bihar in the figure column 5 of the tabular statement.
110	...	Ditto	*For* "37·5, 45·7, 16·4, —5·0 and +1·6" *read* "37·4, 45·6, 16·5, —5·3 and +1·9" respectively, against Bengal Hills in the figure columns 2, 3, 4, 7 and 8 of the tabular statement.
110	...	Ditto	*For* "—4·3 and 0" *read* "—4·2 and +0·1" respectively, against North-West Frontier Province in the figure columns 6 and 8 of the tabular statement.

Corrigenda in India Monthly Weather Reviews for the year 1905—*contd.*

TEXT.

Page.	Column.	Part.	Correction.
110	...	April, 1905	*For* "68·3, 30·7, 45·6, —3·6 and +2·0" *read* "68·2, 30·8, 46·1, —3·7 and +2·1" respectively, against Bombay Deccan in the figure columns 2, 4, 5, 7 and 8 of the tabular statement.
110	...	Ditto	*For* "101·0, 85·9, 30·3, —4·0 and +0·4" *read* "100·9, 85·8, 30·2, —4·1 and +0·3" respectively, against Central Provinces (West) in the figure columns 1, 3, 4, 6 and 8 of the tabular statement.
113	2	Ditto	*For* "Might" *read* "Night" in the second line of para. 1.
115	2	Ditto	*For* "S 63°" *read* "S 63° E" in the last line of second column.
120	...	Ditto	*For* "1·8, 1·22 and —0·22", *read* "2·1, 1·40 and—0·04" respectively, against Arakan in the figure columns 1, 3 and 5 of the second tabular statement.
120	...	Ditto	*For* "8·24 and +0·10" *read* "8·25 and +0·11" respectively, against Assam (Brahmaputra) in the figure columns 3 and 5 of the second tabular statement.
138	...	May, 1905	*For* "73·7, 25·6, —0·2 and —0·7" *read* "73·8, 25·4, 0 and —0·9" respectively, against United Provinces (Submontane West) in the figure columns 2, 4, 7 and 8 of the tabular statement.
138	...	Ditto	*For* "—1·1" *read* "+1·1" against Madras (South Central) in the figure column 7 of the tabular statement.
138	...	Ditto	*For* "79·8, 93·6, 27·5, +3·4, +1·4 and +2·0" *read* "79·7, 93·5, 27·6, +3·5, +1·3 and +2·2" respectively, against Sind in the figure columns 2, 3, 4, 6, 7 and 8 of the tabular statement.
149	...	Ditto	*For* "11·7, 11·75 and —0·19" *read* "11·6, 11·74 and —0·20" respectively, against Lower Burma (Deltaic) in the figure columns 1, 3 and 5 of the tabular statement.
168	...	June, 1905	*For* "79·3, +1·7 and +1·0" *read* "79·4, +1·8 and +0·9" respectively, against United Provinces (Submontane West) in the figure columns 2, 7 and 8 of the tabular statement.
168	...	Ditto	*For* "83·7, 96·3, 25·2, +4·4 and —2·9" *read* "83·9, 96·4, 25·0, +4·6 and —3·1" respectively, against Punjab (Central) in the figure columns 2, 3, 4, 7 and 8 of the tabular statement.
169	1	Ditto	*For* "+3·0 and +4·5" *read* "+3·1 and +2·9" respectively, against Upper Sub-Himalayas in the figure columns 2 and 3 of the tabular statement.
169	1	Ditto	*For* "+0·6" *read* "+0·5" against West Coast in the figure column 2 of the tabular statement.
190	2	July, 1905	In the second tabular statement between dates "6th and 11th" *insert* "9th, 9—47·6, ..., ..., 13—40·5, ..., 3—52·9, Ditto (*a*)" in columns 1 to 8, respectively.
190	2	Ditto	In the second tabular statement after date "16th" *insert* { "21st, 10—45·7, ..., 11—26·4, 11—36·5, 1·00, 0—50·8, Ditto" in columns 1 to 8, respectively. "23rd, 2—53·3, ..., ?, 6—56·4, ?, 4—3·1, Ditto (*a*)" in columns 1 to 8, respectively.
190	2	Ditto	Below the second tabular statement *insert* note "(*a*) As the boom went out of range, the time of the maximum displacement and the maximum amplitude cannot be determined."
190	2	Ditto	In the third tabular statement between dates "6th and 11th" *insert* "9th, 15—40·9," in columns 1 and 2, respectively.
190	2	Ditto	In the third tabular statement after date "17th" *insert* { "21st, 16—39·0" in columns 1 and 2, respectively. "23rd, 8—46·6" ditto ditto.
197	...	Ditto	*For* "98·8, 90·0, 17·8, +2·5, +2·3 and +0·2" *read* "99·1, 90·1, 18·0, +2·8, +2·2 and +0·6" respectively, against Punjab (Submontane) in the figure columns 1, 3, 4, 6, 7 and 8 of the tabular statement.

Corrigenda in India Monthly Weather Reviews for the year 1905—*contd.*

TEXT.

Page.	Column.	Part.	Correction.
197	...	July, 1905 .	*For* "92·7, 19·5, +2·1 and +0·7" *read* "92·8, 19·6, +2·3 and +0·9" respectively, against Madras (South Central) in the figure columns 1, 4, 6 and 8 of the tabular statement.
197	...	Ditto .	*For* "84·7, 77·9, 13·7, +1·3 and +0·3" *read* "84·6, 77·8, 13·6, +1·2 and +0·2" respectively, against Bombay Deccan in the figure columns 1, 3, 4, 6 and 8 of the tabular statement.
197	...	Ditto .	*For* "101·5, 83·2, 18·4, +2·4, +1·3 and +1·1" *read* "101·6, 83·1, 18·5, +2·5, +1·2 and +1·3" respectively, against Sind in the figure columns 1, 2, 4, 6, 7 and 8 of the tabular statement.
207	...	Ditto .	*For* "26·4, 25·9, 27·93, 24·25 and +3·68" *read* "26·5, 25·8, 27·95, 24·12 and +3·83" respectively, against Lower Burma (Deltaic) in the figure columns 1, 2, 3, 4 and 5 of the second tabular statement.
225	1	August, 1905 .	*For* "+·102" *read* "+·012" against Quetta in the figure column 1 of the 1st tabular statement.
227	...	Ditto .	*For* "88·1, 82·9, 10·4, —1·8 and —1·5" *read* "87·9, 82·8, 10·2, —2·0 and —1·7" respectively, against North Oudh in the figure columns 1, 3, 4, 6 and 8 of the tabular statement.
227	...	Ditto .	*For* "97·9, 89·2, 17·5, +3·8 and +0·9" *read* "98·2, 89·3, 17·8, +4·1 and +1·2" respectively, against Punjab (Submontane) in the figure columns 1, 3, 4, 6 and 8 of the tabular statement.
227	...	Ditto .	*For* "82·0, 92·7. 21·4, +2·6 and +0·6" *read* "82·1, 92·8, 21·3, +2·7 and +0·5" respectively, against North-West Frontier Province in the figure columns 2, 3, 4, 7 and 8 of the tabular statement.
252	2	September, 1905	*For* "—·001 and 0" *read* "+·003 and —·004" respectively, against Wellington and Coimbatore in the figure columns 1 and 3 of the second tabular statement.
256	...	Ditto .	*For* "+0·4 and —2·0" *read* "+0·3 and —1·9" respectively, against Chota Nagpur in the figure columns 7 and 8 of the third tabular statement.
256	...	Ditto .	*For* "95·7. 21·1, +1·2 and —0·6" *read* "95·8, 21·2, +1·3 and —0·5" respectively, against Punjab (Submontane) in the figure columns 1, 4, 6 and 8 of the third tabular statement.
257	...	Ditto .	*For* "97·7, 87·0, 21·7, +1·3 and +1·5" *read* "98·1, 87·2, 21·9, +1·5 and +1·7" respectively, against Sind in the figure columns 1, 3, 4, 6 and 8 of the first tabular statement.
268	...	Ditto .	*For* "10·8, 12·19 and +4·02" *read* "10·9, 12·32 and +4·15" respectively, against Central Provinces (Central) in the figure columns 1, 3 and 5 of the tabular statement.
290	...	October, 1905 .	*For* "65·9, 79·4, 27·1, —2·2 and +4·9" *read* "66·0, 79·5, 26·9, —1·9 and +4·6" respectively, against Berar in the figure columns 2, 3, 4, 7 and 8 of the first tabular statement.
290	...	Ditto .	*For* 68·1, 83·7, 30·0, +0·3 and +2·8" *read* "68·3, 83·8, 29·9, +0·5 and +2·6" respectively, against Sind in the figure columns 2, 3, 4, 7 and 8 of the first tabular statement.
315	2	November, 1905	*For* "—4·0" *read* "—0·4" against Bengal and Orissa in the figure column 2 of the first tabular statement.
315	...	Ditto .	*For* "82·9, 70·3, 25·3, +1·9 and +2·0" *read* "82·8, 70·2, 25·2, +1·7 and +1·8" respectively, against Chota Nagpur in the figure columns 1, 3, 4, 6 and 8 of the second tabular statement.

Corrigenda in India Monthly Weather Reviews for the year 1905—*contd.*

TEXT.

Page.	Column.	Part.	Correction.
338	2	December, 1905	*For* "47·6 and +3·6" *read* "48·2 and +4·2" respectively, against Jacobabad in the figure columns 1 and 3 of the second tabular statement.
341	...	Ditto .	*For* "+0·2 and +2·0" *read* "+0·1 and +1·9" respectively, against Orissa in the figure columns 6 and 8 of the tabular statement.
341	...	Ditto .	*For* "83·3, 70·0, 26·6, +3·2 and +5·6" *read* "83·4, 70·1, 26·7, +3·3 and +5·3" respectively, against Mysore in the figure columns 1, 3, 4, 6 and 8 of the tabular statement.
341	...	Ditto .	*For* "+0·7 and +3·2" *read* "+0·8 and +3·3" respectively, against Berar in the figure columns 6 and 8 of the tabular statement.
341	...	Ditto .	*For* "54·2, 25·5, +3·4 and —2·4" *read* "54·3, 25·4, +3·6 and —2·6" respectively, against Sind in the figure columns 2, 4, 7 and 8 of the tabular statement.
352	...	Ditto .	*For* "0·98 and +0·63" *read* "1·08 and +0·73" respectively, against Assam Sarma in the figure columns 3 and 5 of the tabular statement.

Corrigenda in India Monthly Weather Reviews for the year 1905—*continued.*

TABLES I AND II.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
ii	January . .	I	Barisal . . .	Temperature of air .	15, 16, 17, 18, 19, 22 and 24.	*For* "52·9, —1·5, 64·4, —1·6, 23·0, 43·7 and 36·6" *read* "55·6, +1·2, 65·8,—0·3, 20·3, 46·4, and 33·9" respectively.
v	Do. . .	I	.....	Rainfall . .	53	*For* "Departure from normal of period 1st December 1904 to 31st January 1904" *read* "Departure from normal of period 1st December 1904 to 31st January 1905".
viii	Do. . .	I	Nagpur . .	Temperature of air.	13, 14, 17, 18, 19, 20 and 24.	*For* "83·5, 0, 69·3, —0·4, 28·6, 89·6 and 42·4" *read* "82·9, —0·6, 69·0, —0·1, 28·0, 89·0 and 41·8" respectively.
ix	Do. . .	I	Ahmednagar . .	Rainfall . .	49 and 50	*For* "0·01 and —0·01" *read* "0 and 0" respectively.
xiii	Do. . .	I	Baghdad . .	Wind velocity .	37	*For* "—5·2" *read* "—52".
xiii	Do. . .	I	Kabul . . .	Rainfall . .	48, 50, 51, 53 and 54.	*For* "0, —1·24, 0·32, —1·21, and 0" *read* "1·78, +0·54, 2·10, +0·57 and 0·95" respectively.
xvi	Do. . .	II	Nagpur . . .	Temperature of air.	9, 11, 12, 14, 17 and 18.	*For* "83·4, 28·4, 89·4, 42·5, 68·4 and —0·4" *read* "82·8, 27·8, 88·8, 41·9, 68·1, and —0·7" respectively.
xxii	February .	I	Barisal . . .	Do. .	15, 16, 17, 18, 19, 22 and 24.	*For* "52·0, —7·7, 63·5, —7·2, 23·0, 42·4 and 41·9" *read* "54·7, —5·0, 64·9, —5·9, 20·3, 45·1 and 39·2" respectively.
xxv	Do. . .	I	Balasore . .	Rainfall . .	50	*For* "—0·50" *read* "—0·48".
xxv	Do. . .	I	Cuttack . .	Hygrometry 8 A.M..	39, 40, 41 and 42.	*For* "69, —9, ·458 and —·104" *read* "71, —7, ·506 and —·056" respectively.
xxviii	Do. . .	I	Nagpur . . .	Temperature of air .	13, 14, 17, 18, 19, 20 and 24.	*For* "84·2, —5·1, 69·3, —5·4, 29·9, 97·1 and 51·5" *read* "83·6, —5·7, 69·0, —5·7, 29·3, 96·5 and 50·9" respectively.
xxviii	Do. . .	I	West Coast . .	Do. .	16	*For* "—1·6" *read* "—1·7".
xxxii	Do. . .	I	Dunga . . .	Elevation . .	3	*For* "15" *read* "154".
xxxii	Do. . .	I	Shillong . .	Do. . .	3	*For* "4900" *read* "4920."
xxxiii	Do. . .	I	Kabul . . .	Rainfall . .	48, 50, 51, 53 and 54.	*For* "0, —0·98, 0·32, —2·19 and 0" *read* "0·85, —0·13, 2·95, +0·44 and ?" respectively.
xxxvi	Do. . .	II	Nagpur . . .	Temperature of air.	9, 11, 12, 14, 17, and 18.	*For* "84·5, 30·0, 97·2, 51·8, 69·1, and —5·2" *read* "83·9, 29·4, 96·6, 51·2, 68·8 and —5·5" respectively.
xlii	March . .	I	Barisal . . .	Do. .	15, 16, 17, 18, 19, 22 and 24.	*For* "64·8, —4·4, 74·4, —4·9, 19·1, 58·2 and 34·1" *read* "67·5, —1·7, 75·8, —3·6, 16·4, 60·9 and 31·4" respectively.
xliv	Do. . .	I	Gangetic Plain and Chota Nagpur.	Station . . .	2	*For* Ganetic" *read* "Gangetic".
xlviii	Do. . .	I	Nagpur . .	Temperature of air.	13, 14, 17, 18, 19, 20 and 24.	*For* 95·5, —2·8, 81·0, —2·1, 29·1, 102·6 and 44·4" *read* "94·9, —3·4, 80·7, —2·4, 28·5, 102·0 and 43·8" respectively.
xlviii	Do. . .	I	West Coast . .	Do. .	16	*For* "—2·1" *read* "—2·2".
liii	Do. . .	I	Aden . . .	Rainfall . .	48, 50, 51, 53 and 54.	*For* 0·21, —0·66, 1·98, +0·13 and 0·18" *read* "1·97, +1·10, 3·74, +1·89 and 1·65" respectively.
liii	Do. . .	I	Kabul . . .	Do. . .	48, 50, 51 and 53.	*For* "3·42, —1·48, 3·74 and —3·67" *read* "4·39, —0·51, 7·34 and —0·07" respectively.
lvi	Do. . .	II	Nagpur . . .	Temperature of air.	9, 11, 12, 14, 17 and 18.	*For* "95·6, 29·1, 102·6, 44·2, 80·4 and —2·0" *read* "95·0, 28·5, 102·0, 43·6, 80·1 and —2·3" respectively.

Corrigenda in India Monthly Weather Reviews for the year 1905—*continued.*

TABLES I AND II.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
lix	March . .	II	Leh . . .	Rainfall . .	52	*For* "0·90" *read* "0·89".
lix	Do. . .	II	Chakrata . .	Do. . .	52	*For* "5·74" *read* "5·78".
lxii	April . .	I	Barisal . . .	Temperature of air.	15, 16, 17, 18, 19, 22 and 24.	*For* "68·6, —6·1 ?, 78·4, —5·4 ?, 19·6, 59·7 and 33·1" *read* "71·3, —4·1, 79·8, —4·1, 16·9, 62·4 and 30·4" respectively.
lxviii	Do. . .	I	Sholapur . .	Pressure . .	6	*For* "27·861" *read* "29·861".
lxviii	Do. . .	I	Do. . .	Temperature of air.	22 and 24	*For* "58·6 and 46·7" *read* "56·6 and 48·7" respectively.
lxviii	Do. . .	I	Deccan . . .	Do. .	24	*For* "49·3" *read* "49·4".
lxviii	Do. . .	I	Amraoti . .	Pressure . .	4	*For* "28·683" *read* "28·683 ?".
lxviii	Do. . .	I	Khandwa . .	Do. . .	6	*For* "28·857" *read* "29·857".
lxviii	Do. . .	I	Nagpur . .	Temperature of air .	13, 14, 17, 18, 19, 20 and 24.	*For* "101·0, —4·5, 86·1, —4·8, 29·9, 111·2 and 54·0" *read* "100·4, —5·1, 85·8, —5·1, 29·3, 110·6 and 53·4" respectively.
lxxi	Do. . .	I	Cocanada . .	Rainfall . .	48	*For* "·56" *read* "0·56".
lxxiii	Do. . .	I	Kabul . . .	Do. . .	51 and 53	*For* "4·42 and —5·23" *read* "8·02 and —1·63" respectively.
lxxvi	Do. . .	II	Nagpur . . .	Temperature of air .	9, 11, 12, 14, 17 and 18.	*For* "101·6, 30·5, 111·2, 53·8, 86·0 and —4·6" *read* "101·0, 29·9, 110·6, 53·2 85·7 and —4·9" respectively.
lxxvii	Do. . .	II	Belgaum . .	Vapour Tension .	27	*For* "—·137" *read* "—·135."
lxxviii	Do. . .	II	Darjeeling . .	Temperature of air .	9 and 11	*For* "58·8 and 15·1" *read* "58·7 and 15·0".
lxxxiii	May . .	I	Port Blair . .	Temperature of air .	15, 16, 17, 18, 19, 22, 23 & 24.	*For* "82·7, ?, 87·1, ?, 8·7, 78·4, 20th and 17·7" *read* "79·6, +1·2, 84·8, +1·8, 11·8, 74·6, 21st and 21·5" respectively.
lxxxiii	Do. . .	I	Barisal . . .	Do. .	15, 16, 17, 18, 19, 22, & 24.	*For* "73·8, ?, 81·8, ?, 15·9, 66·1 and 29·2" *read* "76·5, —0·9, 83·2, —1·6, 13·2, 68·8 and 26·5" respectively.
lxxxiv	Do. . .	I	Allahabad . .	Do. .	22	*For* "70" *read* "70·1."
lxxxv	Do. . .	I	Mainpuri . .	Rainfall . .	52 & 53	*For* "0·4 and —0·4" *read* "0·04 and —0·04" respectively.
lxxxix	Do. . .	I	Khandwa . .	Wind velocity .	35 & 38	*For* "7·8 and 7·4" *read* "7·8? and 7·4 ?" respectively.
lxxxix	Do. . .	I	Chanda . .	Wind direction .	31 & 32	*Insert* 3 and 3 respectively.
xci	Do. . .		Cocanada . .	Do. .	30	*Insert* 1.
cii	June . .	I	Car Nicobars . .	Temperature of air .	13, 15, 17, & 19.	*For* "8·66, 78·9, 82·8 and 7·7" *read* 86·9, 79·0, 83·0 and 7·9" respectively.
cii	Do. . .	I	Port Blair . .	Do. .	13, 14, 15, 16, 17, 18 & 19.	*For* "84·9, —1·1, 77·8, 0, 81·4, —0·6 and 7·1" *read* "85·0, —1·0, 77·5, —0·3, 81·3, —0·7 and 7·5" respectively.
cii	Do. . .	I	Barisal . . .	Do. .	15, 16, 17, 18, 19, 22 & 24.	*For* "78·2, 0, 84·7, +1·2, 12·9, 70·1, and 23·7" *read* "80·9, +2·7, 86·1, +2·6, 10·2, 72·8 and 21·0" respectively.
cii	Do. . .	I	Calcutta . .	Do. .	22	*For* "7·39" *read* "73·9".
ciii	Do. . .	I	Car Nicobars . .	Rainfall . .	48 & 51	*For* "5·52 and 15·21" *read* "5·14 and 14·83" respectively.
cvii	Do. . .	I	Ludhiana . .	Do. . . .	48, 50, 51 & 53.	*For* "0·50, —2·52, 0·50 and —3·13" *read* "0·48,—2·54, 0·48 and —3·15" respectively.
cviii	Do. . .	I	Belgaum . .	Number of district .	1	*For* "22" *read* "38".

Corrigenda in India Monthly Weather Reviews for the year 1905—*continued.*

TABLES I AND II.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
cviii	June . .	I	West Coast . .	Temperature of air .	14	*For* " +0·6 " *read* " +0·5 ".
cxii	Do. . .	I	Shillong . .	Elevation . .	3	*For* " 4900 " *read* " 4920 ".
cxii	Do. . .	I	Pachmarhi . .	Temperature of air .	24	*For* " 31·10 " *read* " 31·0 ".
cxvii	Do. . .	II	Port Blair . .	Rainfall . . .	53	*For* " 24·84 " *read* " 24·76 ".
cxviii	Do. . .	II	Pachmarhi . .	Temperature of air .	14	*For* " 1·2 " *read* " 69·2 ".
cxviii	Do. . .	II	Chikalda . .	Pressure . .	7	*For* " 26·156 " *read* 26·166 ".
cxviii	Do. . .	II	Aden . . .	Elevation . .	3	*Insert* " 94 ".
cxix	Do. . .	II	Katmandu . .	Vapour Tension .	28	*For* " +·603 " *read* +·003 ".
cxix	Do. . .	II	Pachmarhi . .	Rainfall . .	53	*For* " 1·83 " *read* " 1·86 ".
cxxii	July . .	I	Port Blair . .	Temperature of air .	15, 16, 17, 18, 19, 22, 23 & 24.	*For* " 79·0, +1·6, 82·5, +1·2, 7·1, 74·4, 20th and 15·2 " *read* " 78·3, +0·9, 82·0, +0·8, 7·8, 74·3, 20th, and 21st and 15·3 " respectively.
cxxii	Do. . .	I	Barisal . . .	Do. .	15, 19, 22 & 24.	*For* " 75·5, 11·8, 72·6 and 20·2 " *read* " 78·2, 9·1, 75·3 and 17·5 " respectively.
cxxiii	Do. . .	I	Car Nicobars . .	Rainfall . .	51	*For* " 20·83 " *read* " 20·45 ".
cxxiii	Do. . .	I	Assam . . .	Cloud . . .	44	*For* " +0·5 " *read* " —0·5 ".
cxxvii	Do. . .	I	Pachpadra . .	Rainfall . . .	52	*For* " 16·75 " *read* " 6·75 ".
cxxviii	Do. . .	I	Hoshangabad .	Pressure . .	4	*For* " 28·63 " *read* " 28·631 ".
cxxviii	Do. . .	I	Nagpur . . .	Temperature of air .	16 & 18	*For* " +0·3 and +0·6 " *read* " +0·2 and +0·5 " respectively.
cxxx	Do. . .	I	Salem . . .	Do. .	15, 16, 17, 18, 19, 22 & 24.	*For* " 74·5, +1·5, 85·6, +2·6, 22·2, 70·4 and 29·8 " *read* " 74·8, +1·8, 85·8, +2·7, 21·9, 75·6 and 24·6 " respectively.
cxxx	Do. . .	I	Srinagar . .	Do. .	15, 16, 17, 18, 19, 22, 23 & 24.	*For* " 62·8, —1·8, 75·6, +0·8, 25·4, 51·2, 10th and 45·6 " *read* " 63·5, —1·1, 75·9, +1·1, 24·7, 57·2, 14th and 39·6," respectively.
cxxxvi	Do. . .	II	Peshawar . .	Do. .	17	*For* " 62·4 " *read* " 102·4 ".
cxxxvi	Do. . .	II	Jacobabad . .	Pressure . .	4, 6, 7, 8 & 9	*For* " 29·244, ·111, 29·195, —·044 and ·332 " *read* " 29·242, ·109, 29·194, —·045 and ·331," respectively.
cxxxvii	Do. . .	II	Diamond Island .	Rainfall . .	53	*For* " 23·09 " *read* " 22·09 ".
cxxxviii	Do. . .	II	Salem . . .	Temperature of air .	11, 12, 14 & 15.	*For* " 74·5, 22·1, 70·4, and 29·6 " *read* " 74·7, 21·9, 75·6 and 24·4 " respectively.
cxxxix	Do. . .	II	.....	Wind direction .	43	*For* " S. W. " *read* " S ".
cxlii	August . .	I	Myitkyina . .	Temperature of air .	12	*For* " 78·7 " *read* " 78·9 ".
cxliii	Do. . .	I	Car Nicobars . .	Rainfall . .	51	*Insert* " 32·01 ".
cxliii	Do. . .	I	Myitkyina . .	Hygrometer, 8 A.M..	39 & 41	*For* " 91 and ·899 " *read* " 90 and ·896 " respectively.
cxliv	Do. . .	I	Barisal . . .	Temperature of air .	15, 19, 22, 23 & 24.	*For* " 75·9, 10·4, 73·1, 11th and 17·2 " *read* " ?, ?, ?, ? and ? respectively.
cxlv	Do. . .	I	Saugor Island .	Rainfall . .	48, 50, 51 & 53.	*For* " 9·64, —6·04, 34·13 and —12·61 " *read* " 9·46, —6·22, 33·95 and —12·79" respectively.
cxlvi	Do. . .	I	Bahraich . .	Temperature of air.	13, 14, 17, 18 & 19.	*For* " 88·1, —1·8, 82·9, —1·1 and 10·4 " *read* " 87·9, —2·0, 82·8, —1·2 and 10·2 " respectively.

Corrigenda in India Monthly Weather Reviews for the year 1905—*continued.*

TABLES I AND II.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
cxlviii	August	I	Peshawar	Temperature of air	15, 16, 17, 18 and 19.	*For* "80·4, +2·6, 91·9, +3·4 and 22·9" *read* "80·7, +2·9, 92·0, +3·5 and 22·6" respectively.
cxlviii	Do.	I	Jacobabad	Do.	22 and 23.	*For* "78·72 and 9th & 30th" *read* 78·7 and 29th & 30th" respectively.
cxlviii	Do.		Hyderabad	Do.	22 and 23.	*For* "76·51 and 8th & 19th" *read* "76·5 and 18th & 19th" respectively.
cxlviii	Do.	I	Bhavnagar Para	Do.	12	*For* "82·5" *read* "82·6".
cl	Do.	I	Malegaon	Pressure	9	*For* "8·269" *read* "28·269".
cl	Do.	I	Khandwa	Temperature of air	13, 14 and 19	*For* "86·3, +0·8 and 11·3" *read* "86·4 +0·9 and 11·4" respectively.
cl	Do.	I	Aurangabad	Do.	15, 17 and 19	*For* "70·4, 78·2 and 15·6" *read* "70·3, 78·1 and 15·7" respectively.
cli	Do.	I	Malegaon	Rainfall	50	*For* "—0·2" *read* "—0·02".
cli	Do.	I	Khandwa	Wind velocity	35 and 38	*For* "9·3 and 8·8" *read* "9·3 ? and 8·8 ?" respectively.
cliv	Do.	I	Mount Abu	Temperature of air	15, 16, 17, 18 and 19.	*For* "63·9, —0·3, 68·4, +0·3 and 8·9" *read* "63·7, —0·5, 68·3, +0·2 and 9·1" respectively.
cliv	Do.	I	Pachmarhi	Do.	13, 14, 17, 18 and 19.	*For* "75·6, +0·9, 71·4, +0·5 and 8·3" *read* "75·7, +1·0, 71·5, +0·6 and 8·5" respectively.
clv	Do.	I	Do.	Rainfall	48, 50, 51 and 53.	*For* "11·74, —8·94, 46·82 and —10·39" *read* "11·97, —8·71, 47·05 and —10·16" respectively.
clxi	Do.	II	Saugor Island	Do.	53	*For* "9·81" *read* "9·46".
clxii	Do.	II	Port Victoria	Temperature of air	10	*For* "8·17" *read* "81·7".
clxvi	September	I	Port Blair	Ditto	13, 14, 15, 16, 17 and 18.	*For* "84·6, —0·5, 78·7, +2·2, 81·7 and +0·9" *read* "84·9, —0·2, 77·4‡, +0·9 81·2‡ and +0·4" respectively.
clxvi	Do.	I	.....	.....	...	*Insert* as foot-note "‡ mean of 28 days".
clxvii	Do.	I	Car Nicobar	Rainfall	51	*Insert* "40·44".
clxvii	Do.	I	Saugor Island	Do.	51 and 53	*For* "46·85 and —11·19" *read* "46·67 and —11·37" respectively.
clxviii	Do.	I	Purnea	Temperature of air	22	*For* "14·2" *read* 74·2".
clxviii	Do.	I	False Point	Do.	13, 14 and 19	*For* "87·1, —0·8 and 8·5" *read* "87·0, —0·9 and 8·4" respectively.
clxviii	Do.	I	Hazaribagh	Do.	15, 16, 18 and 19.	*For* "72·6, +0·4, —0·4 and 10·9" *read* "72·5, +0·3, —0·5 and 11·0" respectively.
clxviii	Do.	I	Chaibassa	Do.	22	*For* "7·0" *read* "73·0".
clxxiii	Do.	I	Ahmednagar	Rainfall	50	*For* "—5·7" *read* "—5·97".
clxxiii	Do.	I	Akola	Do.	50	*For* "—5·9" *read* "—0·59".
clxxxvii	October	I	Car Nicobar	Do.	51	*For* "52·42" *read* "52·04".
clxxxvii	Do.	I	Saugor Island	Do.	51 and 53	*For* "62·90 and —3·78" *read* "62·72 and —3·96" respectively.
cxcii	Do.	I	Hoshangabad	Temperature of air	18	*For* "—0·6" *read* "—1·6".
cciii	Do.	II	Pachmarhi	Humidity	33	*For* "—9" *read* "—8".
ccvii	November	I	Car Nicobar	Rainfall	51	*For* "54·21" *read* "53·83".

Corrigenda in India Monthly Weather Reviews for the year 1905—*concluded.*

TABLES I AND II.

Page.	Part.	Table.	Meteorological Province or Station.	Heading.	Column No.	Correction.
ccvii	November	I	Saugor Island	Rainfall	51 and 53	*For* "62·90 and —5·49" *read* "62·72 and —5·67" respectively.
ccx	Do.	I	Udaipur	Pressure	6	*For* "30·10" *read* "30·105".
ccx	Do.	I	Nowgong	Do.	4	*For* "29·34" *read* "29·324".
ccxii	Do.	I	Aurangabad	Number of District	1	*For* "29" *read* "39".
ccxii	Do.	I	Karwar	Temperature of air	13, 14 and 19	*For* "89·5, +2·1 and 17·2" *read* "89·6, +2·2 and 17·3" respectively.
ccxiv	Do.	I	Pudukkottai	Elevation	3	*Insert* "318".
ccxiv	Do.	I	Cocanada	Number of District	1	*For* "5" *read* "52".
ccxiv	Do.	I	Bellary	Temperature of air	24	*For* "80·8" *read* "30·8".
ccxiv	Do.	I	Hill Station	Station	2	*For* "II Hill Station" *read* "XII Hill Station."
ccxvi	Do.	I	Ranikhet	Number of District	1	*Insert* "25".
ccxvi	Do.	I	Muktesar	Do.	1	*Omit* "25".
ccxvi	Do.	I	Yatung	Do.	1	*Insert* "13".
ccxvi	Do.	I	Darjeeling	Do.	1	*Omit* "13".
ccxvi	Do.	I	Shillong	Do.	1	*Insert* "8".
ccxvi	Do.	I	Cherra Poonji	Do.	1	*Omit* "8".
ccxvi	Do.	I	Mount Abu	Do.	1	*Insert* "50".
ccxvi	Do.	I	Pachmarhi	Do.	1	*For* "50" *read* "42".
ccxvi	Do.	I	Wellington	Do.	1	*For* "42" *read* "34".
ccxvi	Do.	I	Ootacamund	Do.	1	*Omit* "34".
ccxvii	Do.	I	Bahrein	Wind direction	32, 33 and 34	*For* "6, 7 and N 39° W" *read* "7, 9 and N 43° W" respectively.
ccxvii	Do.	I	Zanzibar	Rainfall	48	*For* "27·9" *read* "2·79".
ccxx	Do.	II	Karwar	Temperature of air	10 and 12	*For* "89·7 and 17·4" *read* "89·8 and 17·5" respectively.
ccxxiii	Do.	II	Port Victoria	Vapour tension	28	*Insert* "+·030".
ccxxvi	December	I	Tavoy	Elevation	3	*For* "20" *read* "19".
ccxxix	Do.	I	Puri	Rainfall	46	*For* "0·67" *read* "0·61".
ccxxx	Do.	I	Jacobabad	Temperature of air	15, 16 17, 18 and 19.	*For* "47·6, +3·6, 61·8, +1·4 and 28·3" *read* "48·2, +4·2, 62·1, +1·7 and 27·7" respectively.
ccxxx	Do.	I	Jaipur	Number of District	1	*For* "40" *read* "50".
ccxxx	Do.	I	Udaipur	Temperature of air	24	*For* "41·2" *read* "41·3".
ccxxxvii	Do.	I	Kailang	Rainfall	45, 48, 50, 51, 53 and 54.	*Insert* "5, 1·31, +0·23, 1·31, +0·23 and 0·26" respectively.

LIST OF PLATES.

PLATE I.—A chart of India shewing the 11 meteorological provinces and 57 districts of India.

PLATE II.—A chart of India shewing normal monthly rainfall and the departure from normal of the actual monthly rainfall, January and February 1905. This chart and the three following charts have been prepared to illustrate the data given in Table XXX. These charts are drawn up in the same manner as the rainfall chart (Plate VIII) in the monthly Weather Reviews of the year 1905.

PLATE III.—A chart of India shewing normal monthly rainfall and the departure from normal of the actual monthly rainfall, March to May 1905.

PLATE IV.—A chart of India shewing normal monthly rainfall and the departure from normal of the actual monthly rainfall, June to October 1905.

PLATE V.—A chart of India shewing normal monthly rainfall and the departure from normal of the actual monthly rainfall, November and December 1905.

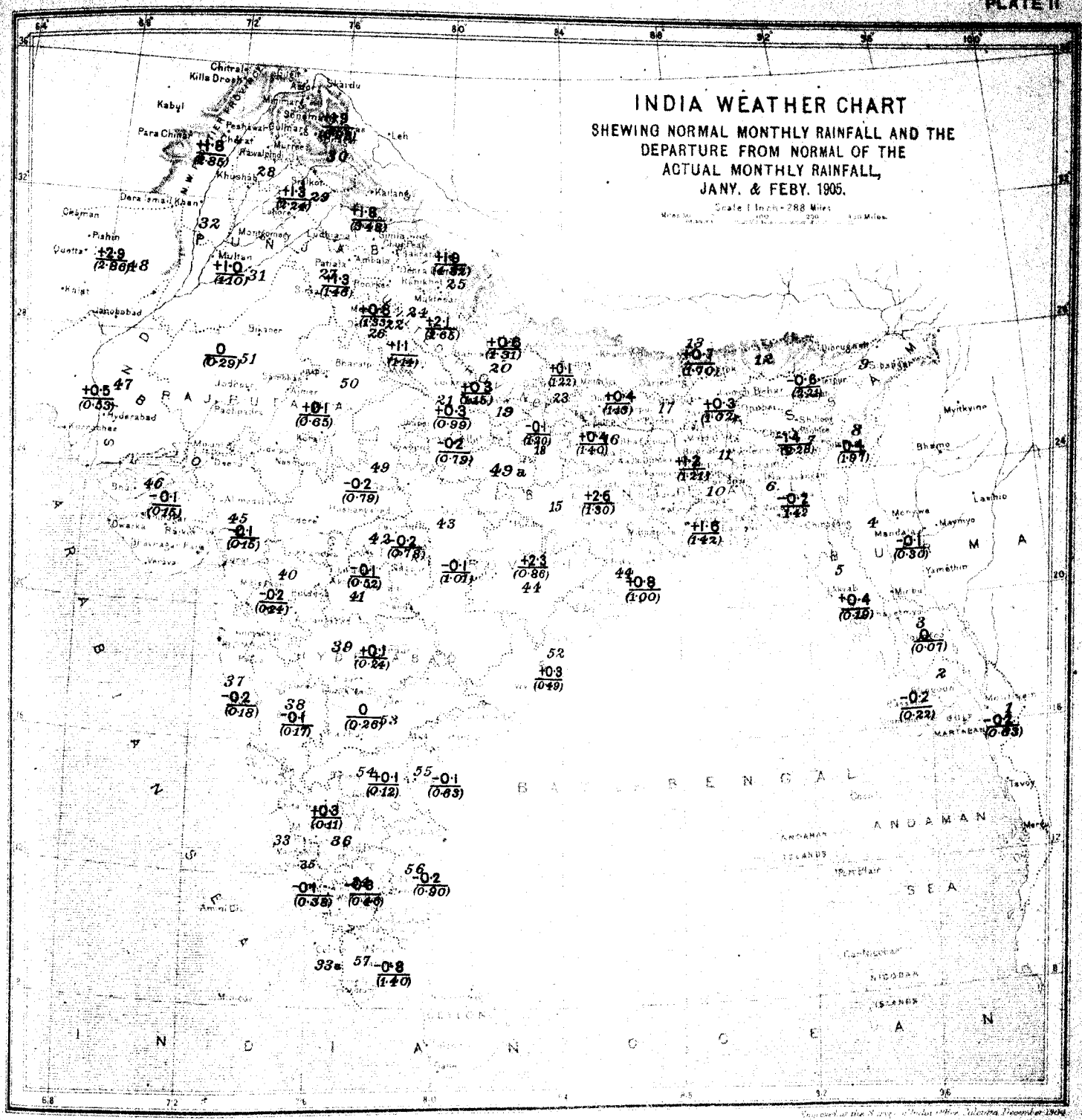
The usual chart shewing the tracks of the more important cyclonic storms of 1905 in the Indian area during the south-west monsoon will be published in the Annual Summary of 1906.

Zinco., S. I. O., Calcutta

No 317 F., Wr. I.—Dec 06—405.

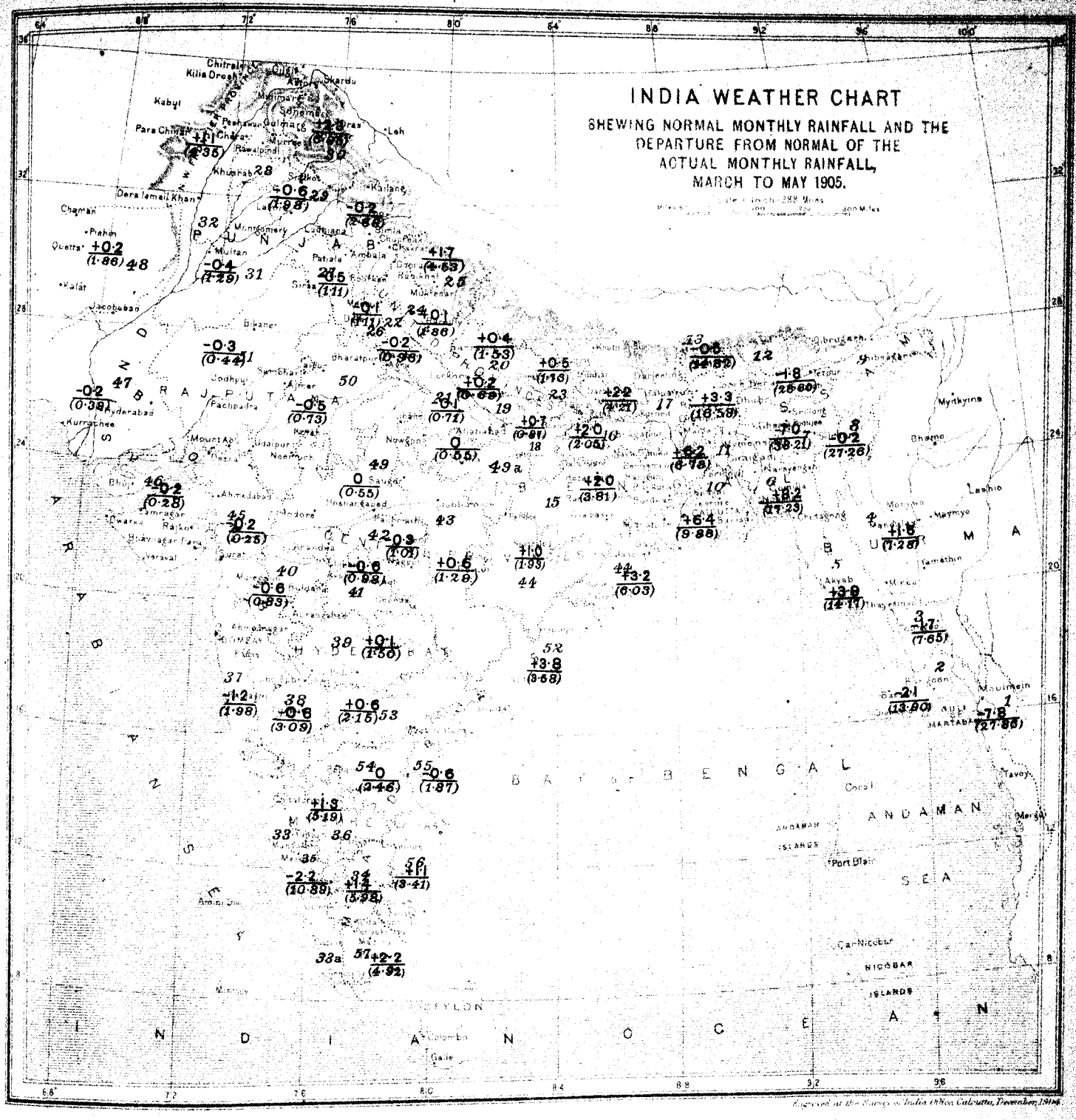
The country is divided into 57 districts, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

1. Tenasserim
2. Lower Burma Deltaic
3. Central do.
4. Upper do.
5. Arakan
6. East Bengal
7. Assam, Surma
8. Do., Hills
9. Do., Brahmaputra
10. Deltaic Bengal
11. Central do.
12. North do.
13. Bengal Hills
14. Orissa
15. Chota Nagpur
16. South Bihar
17. North Bihar
18. United Provinces, East
19. South Oudh
20. North do.
21. U. Provs., Central
22. Do., West
23. Do., East Submontane
24. Do., West do.
25. Do., Hills
26. South East Punjab
27. South do.
28. Central do.
29. Punjab, Submontane
30. Do., Hills
31. West Punjab
32. North West Frontier Province
33. Malabar
33a Travancore
34. Madras, South Central
35. Coorg
36. Mysore
37. Konkan
38. Bombay Deccan
39. Hyderabad, North
40. Khandesh
41. Berar
42. Central Provinces, West
43. Do., Central
44. Do., East
45. Gujarat, East
46. Kathiawar and Cutch
47. Sind
48. Baluchistan Hills
49. Central India, West
49a Do., East
50. Rajputana, East
51. Do., West
52. Madras, East Coast, North
53. Hyderabad, South
54. Madras, Central
55. Do., East Coast, Central
56. Do., East Coast, South
57. Do., South



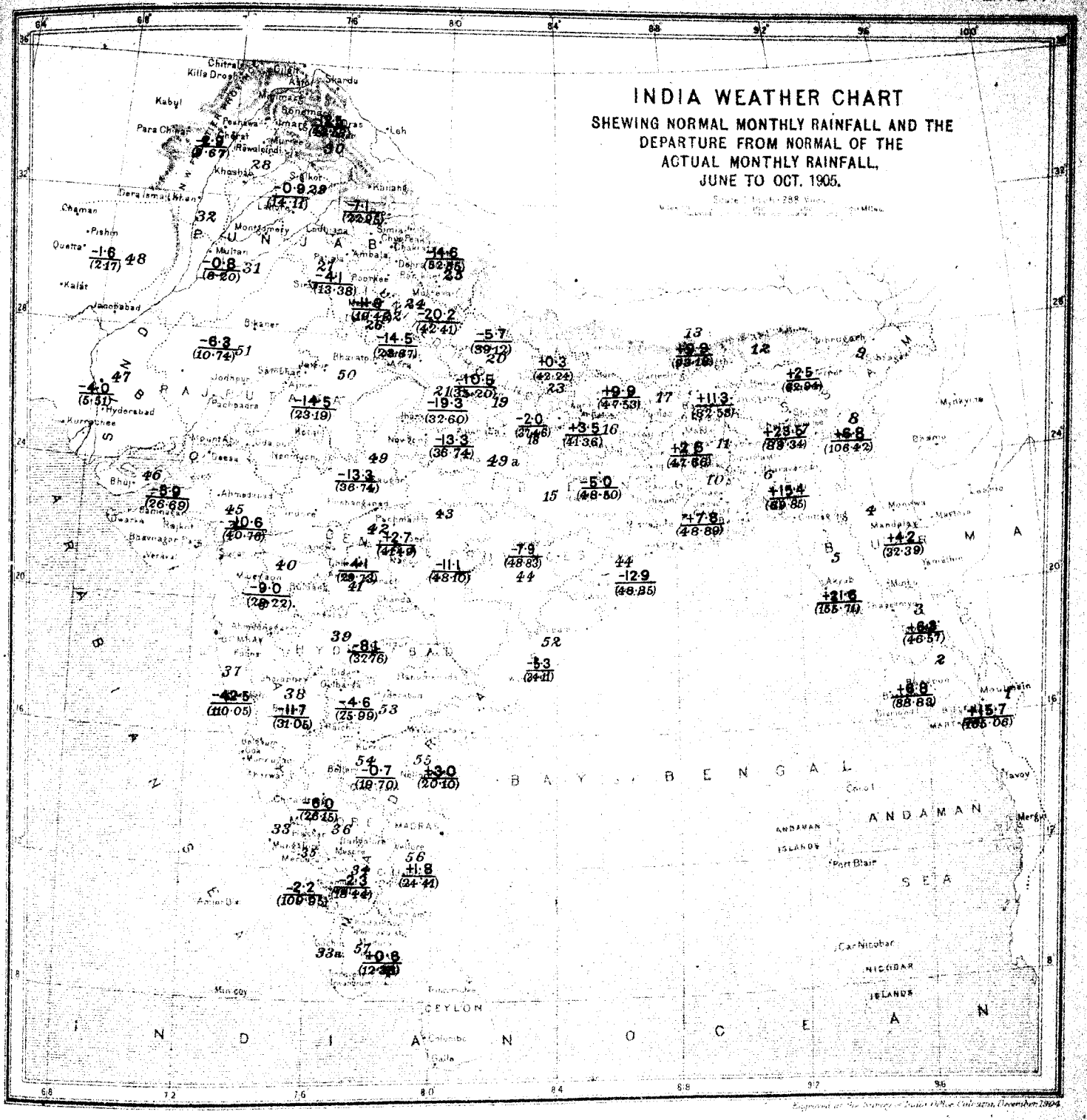
The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall: the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

1. Tenasserim
2. Lower Burma Deltaic
3. Central do.
4. Upper do.
5. Arakan
6. East Bengal
7. Assam, Surma
8. Do., Hills
9. Do., Brahmaputra
10. Deltaic Bengal
11. Central do.
12. North do.
13. Bengal Hills
14. Orissa
15. Chota Nagpur
16. South Bihar
17. North Bihar
18. United Provinces, East
19. South Oudh
20. North do.
21. U. Provs., Central
22. Do., West
23. Do., East Submontane
24. Do., West do.
25. Do., Hills
26. South East Punjab
27. South do.
28. Central do.
29. Punjab, Submontane
30. Do., Hills
31. West Punjab
32. North West Frontier Province
33. Malabar
33a Travancore
34. Madras, South Central
35. Coorg
36. Mysore
37. Konkan
38. Bombay Deccan
39. Hyderabad, North
40. Khandesh
41. Berar
42. Central Provinces, West
43. Do., Central
44. Do., East
45. Gujarat, East
46. Kathiawar and Cutch
47. Sind
48. Baluchistan Hills
49. Central India, West
49a Do., East
50. Rajputana, East
51. Do., West
52. Madras, East Coast, North
53. Hyderabad, South
54. Madras, Central
55. Do., East Coast, Central
56. Do., East Coast, South
57. Do., South



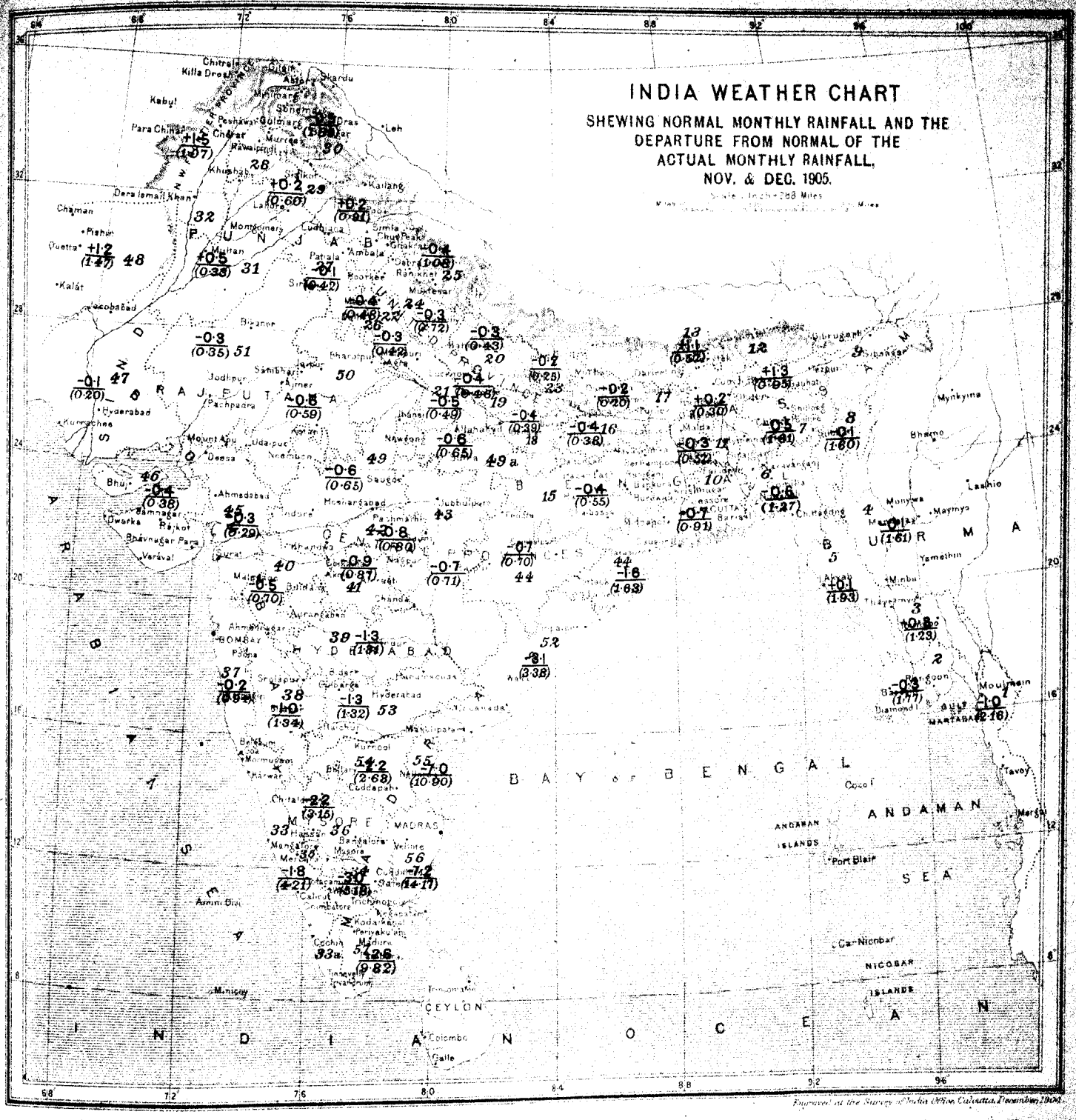
The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

1. Tenasserim
2. Lower Burma Deltaic
3. Central do.
4. Upper do.
5. Arakan
6. East Bengal
7. Assam, Surma
8. Do., Hills
9. Do., Brahmaputra
10. Deltaic Bengal
11. Central do.
12. North do.
13. Behgal Hills
14. Orissa
15. Chota Nagpur
16. South Bihar
17. North Bihar
18. United Provinces, East
19. South Oudh
20. North do.
21. U. Provs., Central
22. Do., West
23. Do., East Submontane
24. Do., West do.
25. Do., Hills
26. South East Punjab
27. South do.
28. Central do.
29. Punjab, Submontane
30. Do., Hills
31. West Punjab
32. North West Frontier Province
33. Malabar
33a Travancore
34. Madras, South Central
35. Coorg
36. Mysore
37. Konkan
38. Bombay Deccan
39. Hyderabad, North
40. Khandesh
41. Berar
42. Central Provinces, West
43. Do., Central
44. Do., East
45. Gujarat, East
46. Kathiawar and Cutch
47. Sind
48. Baluchistan Hills
49. Central India, West
49a Do., East
50. Rajputana, East
51. Do., West
52. Madras, East Coast, North
53. Hyderabad, South
54. Madras, Central
55. Do., East Coast, Central
56. Do., East Coast, South
57. Do., South



The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

1. Tenasserim
2. Lower Burma Deltaic
3. Central do.
4. Upper do.
5. Arakan
6. East Bengal
7. Assam, Surma
8. Do., Hills
9. Do., Brahmaputra
10. Deltaic Bengal
11. Central do.
12. North do.
13. Bengal Hills
14. Orissa
15. Chota Nagpur
16. South Bihar
17. North Bihar
18. United Provinces, East
19. South Oudh
20. North do.
21. U. Provs., Central
22. Do., West
23. Do., East Submontane
24. Do., West do.
25. Do., Hills
26. South East Punjab
27. South do.
28. Central do.
29. Punjab, Submontane
30. Do., Hills
31. West Punjab
32. North West Frontier Province
33. Malabar
33a Travancore
34. Madras, South Central
35. Coorg
36. Mysore
37. Konkan
38. Bombay Deccan
39. Hyderabad, North
40. Khandesh
41. Berar
42. Central Provinces, West
43. Do., Central
44. Do., East
45. Gujarat, East
46. Kathiawar and Cutch
47. Sind
48. Baluchistan Hills
49. Central India, West
49a Do., East
50. Rajputana, East
51. Do., West
52. Madras, East Coast, North
53. Hyderabad, South
54. Madras, Central
55. Do., East Coast, Central
56. Do., East Coast, South
57. Do., South



Published at the Survey of India Office, Calcutta, December 1906.

The country is divided into 57 areas, over each of which the meteorological conditions are fairly uniform, and the staple crops similar in character. The numbers in bracket on the chart give the average over the division of the normal monthly rainfall; the numbers above these give the departure from these normals of the average actual rainfall over the division. The name of the district can be ascertained by referring in the following list to the number given in each district in red figures.

1. Tenasserim
2. Lower Burma Deltaic
3. Central do.
4. Upper do.
5. Arakan
6. East Bengal
7. Assam, Surma
8. Do., Hills
9. Do., Brahmaputra
10. Deltaic Bengal
11. Central do.
12. North do.
13. Bengal Hills
14. Orissa
15. Chota Nagpur
16. South Bihar
17. North Bihar
18. United Provinces, East
19. South Oudh
20. North do.
21. U. Provs., Central
22. Do., West
23. Do., East Submontane
24. Do., West do.
25. Do., Hills
26. South East Punjab
27. South do.
28. Central do.
29. Punjab, Submontane
30. Do., Hills
31. West Punjab
32. North West Frontier Province
33. Malabar
33a Travancore
34. Madras, South Central
35. Coorg
36. Mysore
37. Konkan
38. Bombay Deccan
39. Hyderabad, North
40. Khandesh
41. Berar
42. Central Provinces, West
43. Do., Central
44. Do., East
45. Gujarat, East
46. Kathiawar and Cutch
47. Sind
48. Baluchistan Hills
49. Central India, West
49a Do., East
50. Rajputana, East
51. Do., West
52. Madras, East Coast, North
53. Hyderabad, South
54. Madras, Central
55. Do., East Coast, Central
56. Do., East Coast, South
57. Do., South

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. (1883). . . . . Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II. (1877) Price Rs. 5*	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) . . Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Re. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889. (1891) . . . . . Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. (1893) Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. (1875) . . . . . Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876. (1877) . . . . . Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877. (1879) Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888). . . . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . . . . . Price Re. 1-8	W. L. Dallas.
Climatological Atlas of India (1906) Price Rs. 27 or 36 shillings	Sir John Eliot.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . Price, each month, Re. 1 *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November, 1900, to June, 1907† Price, each month, Annas 4.	Ditto.
Rainfall data of India for the years 1891—1905 (15 volumes). Price, for each year, Rs. 5 *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes)‡ . . . . . Price each Rs. 10	Ditto.
India Weather Review—Annual Summaries for the years 1891—1904 (14 parts)§ . . . . . Price each Rs. 3	Ditto.
Monthly Weather Reviews for each month, January, 1891, to September, 1906 ¶ . . . . . Price, each part, Re. 1	Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I, comprising—	
On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms. The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75. The diurnal variation of the barometer at Simla. Price Rs. 3*	Henry F. Blanford.
Part II, comprising—	
Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer . . .	Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I; Calcutta and Hazaribagh . . . . . Price Rs. 3*	Henry F. Blanford.
Part III, comprising—	
Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion . . . Price Rs. 3	Henry F. Blanford.
Part IV, comprising—	
The winds of Kurrachee . . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising—	
Some results of the meteorological observations taken at Allahabad during the ten years 1870—79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh . . . . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising—	
The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I, comprising—	
Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal .	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . . . . . Price Rs. 2.	Fred. Chambers.
Part II, comprising—	
Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . . . . Price Rs. 2	S. A. Hill.
Part III, comprising—	
Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2	Sir John Eliot.
Part IV, comprising—	
Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . . Price Rs. 2	Ditto.
Part V, comprising—	
Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2*

Henry F. Blanford.

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I, comprising—	
Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . .	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . .	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal . . . . . Price Rs. 3*	W. L. Dallas.
Part II, comprising—	
The False Point cyclone of September 22nd, 1885. Price Rs. 2*	Alexander Pedler.
Part III, comprising—	
On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Re. 1-8*	S. A. Hill.
Part IV, comprising—	
List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3	Sir John Eliot.
Part V, comprising—	
The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea . . . . . Price Rs. 3	Fred. Chambers.
Part VI, comprising—	
On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Re. 1-8	S. A. Hill.
Part VII, comprising—	
The Arabian Sea cyclone of the 4th to the 13th June, 1887 . .	Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan Price Re. 1-8*	W. L. Dallas.
Part VIII, comprising—	
An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . Price Rs. 3*	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

† The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September, 1901, January to October, 1902, and August to September, 1903, are out of print.

‡ Copies of the Reports on the Meteorology of India for the years 1876, 1878 to 1881, 1884, 1887 and 1890 are out of print.

¶ Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1904 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about four months after the month. Copies of Monthly Weather Review for 1891—97, January, 1898, 1899, 1900, 1901, January to May 1902, January to November (June excepted), 1903, and January, 1904, are out of print.

Indian Meteorological Memoirs, Vol. V, containing —	
The discussion of the hourly observations made at Sibsagar, Goalpara, Patna, Hazaribagh, Dhubri, Roorkee, Allahabad, Lucknow, Agra, Leh, Deesa, Kurrachee and Lahore and at Simla. Complete in 10 parts . . Price, each part, Re. 1*	Parts I—VII, Henry F. Blanford. Parts VIII—X, Sir John Eliot.
Indian Meteorological Memoirs, Vol. VI, containing : —	
Part I, comprising —	
The relation between sunspots and weather as shown by meteorological observations taken on board ships in the Bay of Bengal during the years 1856 to 1879	W. L. Dallas.
Investigation into the mean temperature, humidity and vapour tension conditions of the Arabian Sea and Persian Gulf . Price Rs. 2*	Ditto.
Part II, comprising—	
A preliminary discussion of certain oscillatory changes of pressure of long period and of short period in India . . Price Re. 1*	Sir John Eliot.
Part III, comprising—	
The hot winds of Northern India	Ditto.
An account of a storm developed in equatorial regions . . . Price Rs. 2*	W. L. Dallas.
Part IV, comprising—	
Hailstorms in India during the period 1883—1897 with a discussion on their distribution . . . . . Price Re. 1*	Sir John Eliot.
Part V, comprising —	
A discussion of the anemographic observations recorded at Simla during the period September, 1893, to August, 1896, and at Darjeeling during the period April, 1885, to December, 1896, and an investigation into the general features of the air movement in the Himalayan mountain area . . . . . Price Re. 1*	Ditto.
Part VI, comprising—	
A discussion of the anemographic observations recorded at Darjeeling during the period May, 1885, to May, 1896, and an investigation into the general features of the air movement in the Sikkim Himalayas . . . . . Price Re. 1 *	Ditto.
Part VII, comprising—	
A discussion of the thunderstorm observations recorded in 1897 at ten selected stations in India . . . . . Price Re. 1	W. L. Dallas.
Indian Meteorological Memoirs, Vol. VII, containing : —	
Hourly observations of pressure, temperature, vapour tension, humidity, cloud, wind direction and velocity of wind taken at Trivandrum during the years 1853 to 1864. Complete in 7 parts. Price, each part, Re. 1-8	Sir John Eliot.
Indian Meteorological Memoirs, Vol. VIII, containing : —	
Part I, comprising—	
Hourly meteorological observations recorded at the Agustia observatory during the period from January, 1856, to September, 1858, and from June to December, 1864. . . Price Rs. 2	Ditto.
Part II, comprising—	
Hourly comparative meteorological observations taken at Trivandrum, Vannatheertham (eastern station), Kalliad (western station) and Agustia for the periods 23rd March to 20th April, 1857, 20th January to 19th February, 1859, 9th September to 8th October, 1864, and 2nd to 28th January, 1865, also at Cape Comorin from 23rd September to 13th November, 1858, and at Charatha and Kamala from 20th January to 19th February, 1859 . . . . . Price Re. 1	Ditto.
Indian Meteorological Memoirs, Vol. IX, containing : —	
The diurnal variation of atmospheric conditions at Chittagong, Cuttack, Jubbulpore, Pachmarhi, Nagpur, Poona, Belgaum, Bellary, Trichinopoly, Rangoon, Aden, Alipore and Jeypore. Complete in 9 parts . . . . Price, each part, Re. 1-8*	Part I, Henry F. Blanford. Parts II—VII, Sir John Eliot. Part VIII, Douglas Archibald. Part IX, Sir John Eliot.
Indian Meteorological Memoirs, Vol. X, containing : —	
Part I, comprising —	
The discussion of the hourly meteorological observations recorded at Trivandrum during the years 1853—1864 . . Price Rs. 3	Sir John Eliot.
Part II, comprising—	
The discussion of the hourly meteorological observations recorded at Agustia during the years 1856—1858 and 1864 . Price Rs. 2	Ditto.
Part III, comprising —	
Discussion of the comparative hourly meteorological observations recorded at Trivandrum, Kalliad, Vannatheertham and Agustia for the periods 23rd March to 20th April, 1857, 20th January to 19th February, 1859, 9th September to 8th October, 1864, and 2nd to 28th January, 1865, and at Charatha and Kamala from 20th January to 19th February, 1859 . . . Price Rs. 2*	Ditto.
Indian Meteorological Memoirs, Vol. X, containing : —	
Part IV, comprising —	
Plates I to LVII, title-page, table of contents and corrigenda of Volume X, Parts I, II and III of the Indian Meteorological Memoirs . . . . . Price Rs. 3	Sir John Eliot
Indian Meteorological Memoirs, Vol. XI, containing : —	
Part I, comprising —	
Observations recorded during the solar eclipse of 22nd January, 1898, at 154 meteorological stations in India . Price Re. 1*	Ditto.
Part II, comprising—	
A discussion of the observations recorded during the solar eclipse of 22nd January, 1898, at 154 meteorological stations in India . Price Rs. 3*	Ditto.
Part III, comprising—	
Report on cloud observations and measurements in the plains of the North-Western Provinces of India during the period December, 1898, to March, 1900 . . . . . Price Re. 1*	E. G. Hill.
Indian Meteorological Memoirs, Vol. XII, containing : —	
Part I, comprising —	
A discussion on the failure of the south-west monsoon rains in 1899 . . . . . Price Re. 1*	W. L. Dallas.
Part II, comprising—	
A discussion of the results of the hourly observations recorded at 29 stations in India given in Volumes V, IX and X of the Indian Meteorological Memoirs . . . . . Price Rs. 3	Sir John Eliot
Part III, comprising—	
Discussion of the results of the hourly observations recorded at 29 stations in India given in Volumes V, IX and X of the Indian Meteorological Memoirs (Final chapter and plates) . Price Rs. 3	Ditto.
Part IV, comprising—	
A Meteorological history of the seven monsoon seasons, 1893—1899, in relation to the Indian rainfall . . . Price Rs. 3*	W. L. Dallas.
Indian Meteorological Memoirs, Vol. XIII, containing : —	
Daily normals of maximum temperature, minimum temperature, 8 A.M. air pressure reduced to 32° F. and rainfall and five-day means of normal cloud amount, relative humidity and aqueous vapour pressure at 8 A.M. . . . . Price Rs. 5*	Sir John Eliot.
Indian Meteorological Memoirs, Vol. XIV, containing : —	
Monthly and annual rainfall of 457 stations in India to the end of 1900 . . . . . Price Rs. 3*	Ditto.
Indian Meteorological Memoirs, Vol. XV, containing : —	
Part I, comprising—	
Summary and a brief discussion of observations of the clouds recorded at six stations in India during the period 1895—1900 . Price Re. 1*	Ditto.
Part II, comprising —	
Report on cloud observations and measurements at Simla during the period June, 1900, to January, 1902 . . Price Re. 1*	W. L. Dallas.
Part III, comprising—	
Discussion of monthly mean surface and underground temperatures, deduced from observations taken at Lahore, Jaipur, Dehra Dun, Allahabad and Calcutta during the years 1880—1901 . Price Re. 1*	R. Ll. Jones.
Indian Meteorological Memoirs, Vol. XVI, containing : —	
Part I, comprising—	
Monthly means of air-pressure reduced to 32° F. and constant gravity, Lat. 45° . . . . . Price Rs. 3	Sir John Eliot
Part II, comprising—	
A preliminary investigation of the more important features of the meteorology of Southern Asia, the Indian Ocean and neighbouring countries during the period 1892—1902, with Appendices Price Rs. 3	Ditto.
Indian Meteorological Memoirs, Vol. XVII, containing: —	
Normal monthly and annual means of temperature, pressure, wind, humidity, cloud, rainfall and number of rainy days of stations in India, etc. . . . . Price Rs. 3	
Memoirs of the Indian Meteorological Department, Vol. XVIII† containing : —	
Part I, comprising —	
A discussion of the anemographic observations recorded at Rangoon from June, 1878, to October, 1901, and at Chittagong from June 1879, to December, 1896 . . . . . Price Rs. 2	Ditto.
Memoirs of the Indian Meteorological Department, Vol. XIX†	Ditto.
Memoirs of the Indian Meteorological Department, Vol. XX, containing : —	
Part I, comprising —	
An account of the preparations made for determining the conditions of the upper air in India by means of kites . Price Re. 1	J. H. Field.

* Copies of publications to the price of which an asterisk is appended are out of print.
† These volumes are in preparation.

GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

JANUARY, 1905.

LIBRARY
SEP 15 1905
Weather Bureau

CONTENTS.

	Page
Introduction	1
Summary of the chief features of the weather in India during the month of January, 1905	1
Solar and Magnetic Disturbances	4
Weather in the Indian monsoon region	5
Depressions and cyclonic storms of the month	7
Pressure	9
Temperature	12
Winds	20
Humidity and Cloud	23
Rainfall	28
Snowfall	34
I.—Afghan Mountain Districts	34
II.—Kashmir and Punjab Himalayas	35
III.—United Provinces Himalayas	36
Crop Report	36
Table I.—Abstract of observations taken at 8 A.M. at 231 stations in India, Burma, etc., in January, 1905	i
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 64 stations in India, Burma, etc., in January, 1905	xv

Published by Authority of the Government of India,

UNDER THE DIRECTION OF

GILBERT T. WALKER, M.A., Sc.D., F.R.S.,
METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1905.

Price One Rupee.

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II. Price Rs. 5.*	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. Price Rs. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1648—1889. Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876. Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877. Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean showing mean pressure, winds and currents. Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. Price Rs. 1-8	W. L. Dallas.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899. Price Re. 1 per month *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, beginning with November, 1900. Price Annas 4, each month (1)	Ditto.
Rainfall data of India for the years 1891—1903 (13 volumes). Price Rs. 5 for each year *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes). Price Rs. 10 each (2)	Ditto.
India Weather Review—Annual Summaries for the years 1891—1903 (13 parts). Price Rs. 3 each (3)	Ditto.
Monthly Weather Reviews for each month, January 1891 to January 1905.§ Price Re. 1 per part	Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I.—Price Rs. 3,* comprising—	
On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms. The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75. The diurnal variation of the barometer at Simla.	Henry F. Blanford
Part II.—Price Rs. 3,* comprising—	
Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer	Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I; Calcutta and Hazaribagh	Henry F. Blanford.
Part III.—Price Rs. 3, comprising—	
Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion	Henry F. Blanford.
Part IV.—Price Rs. 3, comprising—	
The winds of Kurrachee	Fred. Chambers.
Part V.—Price Rs. 3, comprising—	
Some results of the meteorological observations taken at Allahabad during the ten years 1870-79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh	Henry F. Blanford.
Part VI.—Price Re. 1, comprising—	
The Meteorology of the North-West Himalaya	S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I.—Price Rs. 2, comprising—	
Account of south-west monsoon storm of the 18th to the 24th of September 1878, in the north of the Bay of Bengal	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881	Fred. Chambers.
Part II.—Price Rs. 2, comprising—	
Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India	S. A. Hill.
Part III.—Price Rs. 2, comprising—	
Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal	Sir John Eliot.
Part IV.—Price Rs. 2, comprising—	
Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881	Ditto.
Part V.—Price Re. 1, comprising—	
Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta	S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts, each part Rs. 2.* — Henry F. Blanford.

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I.—Price Rs. 3,* comprising—	
Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal	W. L. Dallas.
Part II.—Price Rs. 2, comprising—	
The False Point cyclone of September 22nd, 1885	Alexander Pedler.
Part III.—Price Rs. 1-8, comprising—	
On the ground temperature observations made at the old observatory, Allahabad	S. A. Hill.
Part IV.—Price Rs. 3, comprising—	
List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886	Sir John Eliot.
Part V.—Price Rs. 3, comprising—	
The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea	Fred. Chambers.
Part VI.—Price Rs. 1-8, comprising—	
On temperature and humidity observations made at Allahabad at various heights above the ground	S. A. Hill.
Part VII.—Price Rs. 1-8*, comprising—	
The Arabian Sea cyclone of the 4th to the 13th June, 1887	Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan	W. L. Dallas.
Part VIII.—Price Rs. 3*, comprising—	
An account of the more important cold weather storms in India during the years 1876 to 1891	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

(1) Copies of the Normal weather or pilot charts of the Indian monsoon area for 8 A.M., for June, August and September, 1901, and January to October, 1902, are out of print.

(2) Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

(3) Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1896 and 1898 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891-97, January, 1898, 1899, 1900, 1901 (August excepted), January to May, 1902, and January to April, 1903, are out of print.

Continued to page iii of this cover.

GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

FEBRUARY, 1905.

CONTENTS.

	Page
Introduction	39
Summary of the chief features of the weather in India during the month of February, 1905	39
Solar and Magnetic Disturbances	41
Weather in Indian monsoon region	43
Depressions and cyclonic storms	44
Pressure	45
Temperature	47
Winds	54
Humidity and Cloud	57
Rainfall	61
Snowfall	66
I.—Afghan Mountain Districts	66
II.—Kashmir and Punjab Himalayas	67
III.—United Provinces Himalayas	67
Crop Report	68
Table I.—Abstract of observations taken at 8 A.M. at 231 stations in India, Burma, etc., in February, 1905	xxi
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 64 stations in India, Burma, etc., in February, 1905	xxxv

Published by Authority of the Government of India,

UNDER THE DIRECTION OF

GILBERT T. WALKER, M.A., Sc.D., F.R.S.,
METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1905.

Price One Rupee.

LIBRARY
SEP 21 1905
Weather Bureau

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition (1883) . . . . . Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II (1877) Price Rs. 5.*	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text (1900) . . Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates (1901) . . Price Rs. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887 (1888) . . . . . Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888 (1890) . . . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888 (1890) . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889. (1891) . . . . . Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891—1893) Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874 (1875) . . . . . Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876 (1877) . . . . . Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877 (1879) Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents (1888) . . . . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface (1887) . . . . . Price Rs. 1-8	W. L. Dallas.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . . Price Re. 1 per month *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November 1900 to August 1905 Price Annas 4, each month (1)	Ditto.
Rainfall data of India for the years 1891—1903 (13 volumes). Price Rs. 5 for each year *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes) . . . . . Price Rs. 10 each (2)	Ditto.
India Weather Review—Annual Summaries for the years 1891—1903 (13) parts . . . . . Price Rs. 3 each (3)	Ditto.
Monthly Weather Reviews for each month, January 1891 to February 1905.§ . . . . . Price Re. 1 per part	Ditto.
Indian Meteorological Memoirs, Vol. I, containing :—	
Part I.—Price Rs. 3,* comprising—	
On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms.	
The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75.	Henry F. Blanford.
The diurnal variation of the barometer at Simla.	
Part II.—Price Rs. 3,* comprising—	
Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer . . .	Sir John Elliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I; Calcutta and Hazaribagh	Henry F. Blanford.
Part III.—Price Rs. 3, comprising—	
Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion	Henry F. Blanford.
Part IV, comprising—	
The winds of Kurrachee . . . . . Price Rs. 3	Fred. Chambers.
Part V.—Price Rs. 3, comprising—	
Some results of the meteorological observations taken at Allahabad during the ten years 1870—79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh	Henry F. Blanford.
Part VI, comprising—	
The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.
Indian Meteorological Memoirs, Vol. II, containing :—	
Part I.—Price Rs. 2, comprising—	
Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal . .	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881	Fred. Chambers.
Part II.—Price Rs. 2, comprising—	
Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India	S. A. Hill.
Part III, comprising—	
Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2	Sir John Eliot.
Part IV, comprising—	
Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . Price Rs. 2	Ditto.
Part V, comprising—	
Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta Price Re. 1	S. A. Hill.
Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2.*	Henry F. Blanford.
Indian Meteorological Memoirs, Vol. IV, containing :—	
Part I.—Price Rs. 3,* comprising—	
Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . .	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . .	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal	W. L. Dallas.
Part II, comprising—	
The False Point cyclone of September 22nd, 1885 Price Rs. 2	Alexander Pedler.
Part III, comprising—	
On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Rs. 1-8	S. A. Hill.
Part IV, comprising—	
List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3	Sir John Eliot.
Part V.—Price Rs. 3, comprising—	
The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea	Fred. Chambers.
Part VI, comprising—	
On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Rs. 1-8	S. A. Hill.
Part VII.—Price Rs. 1-8,* comprising—	
The Arabian Sea cyclone of the 4th to the 13th June, 1887 . .	Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan .	W. L. Dallas.
Part VIII, comprising—	
An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . Price Rs. 3*	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

(1) The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September 1901, and January to October 1902, are out of print.

(2) Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

(3) Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1896 and 1898 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891—97, January 1898, 1899, 1900, 1901 (August excepted), January to May 1902, and January to April 1903, are out of print.

Continued to page iii of this cover.

LIBRARY
OCT 14 1905
Weather Bureau

GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

MARCH, 1905.

CONTENTS.

	Page
Introduction	69
Summary of the chief features of the weather in India during the month of March, 1905	69
Solar and Magnetic Disturbances	72
Weather in Indian monsoon region	74
Depressions and cyclonic storms of the month	74
Pressure	75
Temperature	77
Winds	83
Humidity and Cloud	86
Rainfall	90
Snowfall	96
I.—Afghan Mountain Districts	97
II.—Kashmir and Punjab Himalayas	97
III.—United Provinces Himalayas	98
IV.—Assam Himalayas	99
Crop Report	99
Table I.—Abstract of observations taken at 8 A.M. at 232 stations in India, Burma, etc., in March, 1905	xli
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 64 stations in India, Burma, etc., in March, 1905	lv

Published by Authority of the Government of India,

UNDER THE DIRECTION OF

GILBERT T. WALKER, M.A., Sc.D., F.R.S.,
METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1905.

Price One Rupee.

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. (1883) . . . . . Price Rs. 3 — Henry F. Blanford.

The Indian Meteorologist's *Vade Mecum*, Part II. (1877) Price Rs. 5.* — Ditto.

Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3 — Sir John Eliot.

Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2 — Henry F. Blanford.

Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) . . Price Rs. 4 — Sir John Eliot.

Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Rs. 1-8 — Ditto.

Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1* — Ditto.

Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . . . Price Rs. 3 — Ditto.

Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . Price Rs. 5 — Ditto.

Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889. (1891) . . . . . Price Rs. 3 — W. L. Dallas.

Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. (1893) Price Rs. 3 — Sir John Eliot.

Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. (1875) . . . . . Price Rs. 3* — W. G. Wilson.

Report of the Vizagapatam and Backergunge Cyclones of October, 1876. (1877) . . . . . Price Rs. 3* — Sir John Eliot.

Report on the Madras Cyclone of May, 1877. (1879) Price Rs. 3* — Ditto.

Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5 — Henry F. Blanford.

Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888) . . . . . Price Rs. 5 — Sir John Eliot.

Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . . . . . Price Rs. 1-8 — W. L. Dallas.

Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . Price, each month, Re. 1 * — Departmental.

Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November 1900 to September 1905 ‡ Price, each month, Annas 4 — Ditto.

Rainfall data of India for the years 1891—1903 (13 volumes). Price for each year Rs. 5 * — Ditto.

Reports on the Meteorology of India for the years 1875—1890 (16 volumes)† . . . . . Price each Rs. 10 — Ditto.

India Weather Review—Annual Summaries for the years 1891—1903 (13 parts) ¶ . . . . . Price each Rs. 3 — Ditto.

Monthly Weather Reviews for each month, January 1891 to March 1905.§ . . . . . Price, each part, Re. 1 — Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I, comprising—
On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms.
The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75.
The diurnal variation of the barometer at Simla.
Price Rs. 3 — Henry F. Blanford.

Part II, comprising—
Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer . . — Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds . . . . . — S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I; Calcutta and Hazaribagh. Price Rs. 3* — Henry F. Blanford.

Part III, comprising—
Variation of rainfall in Northern India . . . . . — S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion. Price Rs. 3 — Henry F. Blanford.

Part IV, comprising—
The winds of Kurrachee . . . . . Price Rs. 3 — Fred. Chambers.

Part V, comprising—
Some results of the meteorological observations taken at Allahabad during the ten years 1870—79 . . . . . — S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh. Price Rs. 3 — Henry F. Blanford.

Part VI, comprising—
The Meteorology of the North-West Himalaya . Price Re. 1 — S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I, comprising—
Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal . . — Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881. Price Rs. 2 — Fred. Chambers.

Part II, comprising—
Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881 . . . . . — Henry F. Blanford.
On the temperature of North-Western India . . . . Price Rs. 2 — S. A. Hill.

Part III, comprising—
Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2 — Sir John Eliot.

Part IV, comprising—
Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . . Price Rs. 2 — Ditto.

Part V, comprising—
Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1 — S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2.* — Henry F. Blanford.

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I, comprising—
Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . . — Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . . — Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal. Price Rs. 3* — W. L. Dallas.

Part II, comprising—
The False Point cyclone of September 22nd, 1885. Price Rs. 2 — Alexander Pedler.

Part III, comprising—
On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Rs. 1-8 — S. A. Hill.

Part IV, comprising—
List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3 — Sir John Eliot.

Part V, comprising—
The cyclonic storms of November and December, 1886, in the Bay of Bengal . . . . . — Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea. Price Rs. 3 — Fred. Chambers.

Part VI, comprising—
On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Rs. 1-8 — S. A. Hill.

Part VII, comprising—
The Arabian Sea cyclone of the 4th to the 13th June, 1887 . . — Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan Price Rs. 1-8* — W. L. Dallas.

Part VIII, comprising—
An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . Price Rs. 3* — Sir John Eliot.

---

* Copies of publications to the price of which an asterisk is appended are out of print.

‡ The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September 1901, and January to October 1902, are out of print.

† Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

¶ Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1896 and 1898 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891—97, January 1898, 1899, 1900, 1901 (August excepted), January to May 1902, and January to April 1903, are out of print.

Continued on page iii of this cover.

LIBRARY
DEC 19 1905
Weather Bureau

GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

APRIL, 1905.

CONTENTS.

	Page
Introduction	101
Summary of the chief features of the weather in India during the month of April, 1905	101
Solar and Magnetic Disturbances	103
Weather in the Indian monsoon region	106
Depressions and cyclonic storms	106
Pressure	106
Temperature	108
Winds	114
Humidity and Cloud	116
Rainfall	120
Snowfall	125
I.—Afghan Mountain Districts	125
II.—Kashmir and Punjab Himalayas	125
III.—United Provinces Himalayas	126
IV.—Sikim Himalayas	126
Crop Report	126
Table I.—Abstract of observations taken at 8 A.M. at 228 stations in India, Burma, etc., in April, 1905	lxi
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 64 stations in India, Burma, etc., in April, 1905	lxxv

Published by Authority of the Government of India,

UNDER THE DIRECTION OF
GILBERT T. WALKER, M.A., Sc.D., F.R.S.,
METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1905.

Price One Rupee.

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. (1883). . . . . Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II. (1877) Price Rs. 5.*	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) . . Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Rs. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889. (1891) . . . . . Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. (1893) Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. (1875) . . . . . Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876. (1877) . . . . . Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877. (1879) Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888) . . . . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . . . . . Price Re. 1-8	W. L. Dallas.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . Price, each month, Re. 1 *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November 1900 to October 1905† Price, each month, Annas 4	Ditto.
Rainfall data of India for the years 1891—1903 (13 volumes). Price, for each year, Rs. 5 *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes)‡ . . . . . Price each Rs. 10	Ditto.
India Weather Review—Annual Summaries for the years 1891—1903 (13 parts) ¶ . . . . . Price each Rs. 3	Ditto.
Monthly Weather Reviews for each month, January 1891 to April 1905.§ . . . . . Price, each part, Re. 1	Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I, comprising—	
On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms. The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75. The diurnal variation of the barometer at Simla. Price Rs. 3*	Henry F. Blanford.
Part II, comprising—	
Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer	Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I; Calcutta and Hazaribagh. Price Rs. 3*	Henry F. Blanford.
Part III, comprising—	S. A. Hill.
Variation of rainfall in Northern India	
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion. Price Rs. 3	Henry F. Blanford.
Part IV, comprising—	
The winds of Kurrachee . . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising—	
Some results of the meteorological observations taken at Allahabad during the ten years 1870—79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh. Price Rs. 3	Henry F. Blanford.
Part VI, comprising—	
The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I, comprising—	
Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal . .	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881. Price Rs. 2	Fred. Chambers.
Part II, comprising—	
Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . . . . Price Rs. 2	S. A. Hill.
Part III, comprising—	
Account of the south-west monsoon storms of, the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2	Sir John Eliot.
Part IV, comprising—	
Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . . Price Rs. 2	Ditto.
Part V, comprising—	
Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2.* — Henry F. Blanford.

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I, comprising—	
Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . .	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . .	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal . Price Rs. 3*	W. L. Dallas.
Part II, comprising—	
The False Point cyclone of September 22nd, 1885. Price Rs. 2	Alexander Pedler.
Part III, comprising—	
On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Re. 1-8	S. A. Hill.
Part IV, comprising—	
List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3	Sir John Eliot.
Part V, comprising—	
The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea. Price Rs. 3	Fred. Chambers.
Part VI, comprising—	
On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Re. 1-8	S. A. Hill.
Part VII, comprising—	
The Arabian Sea cyclone of the 4th to the 13th June, 1887 . .	Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan Price Re. 1-8*	W. L. Dallas.
Part VIII, comprising—	
An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . . Price Rs. 3*	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

† The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September 1901, and January to October 1902, are out of print.

‡ Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

¶ Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891—97, January 1898, 1899, 1900, 1901 (August excepted), January to May 1902, and January to April 1903, are out of print.

Continued on page iii of this cover.

GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

MAY, 1905.

CONTENTS.

	Page
Introduction	127
Summary of the chief features of the weather in India during the month of May, 1905	127
Solar and Magnetic Disturbances	130
Weather in the Indian monsoon region	131
Depressions and cyclonic storms	132
Pressure	132
Temperature	134
Winds	141
Humidity and Cloud	143
Rainfall	148
Snowfall	154
I.—Afghan Mounta Districts	154
II.—Kashmir and Punjab Himalayas	154
III.—United Provinces Himalayas	155
Crop Report	156
Table I.—Abstract of observations taken at 8 A.M. at 230 stations in India, Burma, etc., in May, 1905	lxxxi
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 64 stations in India, Burma, etc., in May, 1905	xcv

Published by Authority of the Government of India,

UNDER THE DIRECTION OF

GILBERT T. WALKER, M.A., Sc.D., F.R.S.,

METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1905.

Price One Rupee.

LIBRARY
JAN 15 1906
Weather

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. (1883) . . . . . Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II. (1877) Price Rs. 5.*	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) . . Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Rs. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889. (1891) . . . . . Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. (1893) Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. (1875) . . . . . Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876. (1877) . . . . . Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877. (1879) Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888) . . . . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . . . . . Price Re. 1-8	W. L. Dallas.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . Price, each month, Re. 1 *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November 1900 to November 1905† Price, each month, Annas 4	Ditto.
Rainfall data of India for the years 1891—1903 (13 volumes). Price, for each year, Rs. 5 *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes)‡ . . . . . Price each Rs. 10	Ditto.
India Weather Review—Annual Summaries for the years 1891—1903 (13 parts) ¶ . . . . . Price each Rs. 3	Ditto.
Monthly Weather Reviews for each month, January 1891 to May 1905.§ . . . . . Price, each part, Re. 1	Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I, comprising— On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms. The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75. The diurnal variation of the barometer at Simla. Price Rs. 3*	Henry F. Blanford.
Part II, comprising— Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer . . .	Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I ; Calcutta and Hazaribagh. . . . . Price Rs. 3*	Henry F. Blanford.
Part III, comprising— Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion. Price Rs. 3	Henry F. Blanford.
Part IV, comprising— The winds of Kurrachee . . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising— Some results of the meteorological observations taken at Allahabad during the ten years 1870—79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh. . . . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising— The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I, comprising— Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal . .	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881. Price Rs. 2	Fred. Chambers.
Part II, comprising— Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . . . . Price Rs. 2	S. A. Hill.
Part III, comprising— Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2	Sir John Eliot.
Part IV, comprising— Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . . Price Rs. 2	Ditto.
Part V, comprising— Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2.*

Henry F. Blanford.

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I, comprising— Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . .	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . .	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal . Price Rs. 3*	W. L. Dallas.
Part II, comprising— The False Point cyclone of September 22nd, 1885. Price Rs. 2	Alexander Pedler.
Part III, comprising— On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Re. 1-8	S. A. Hill.
Part IV, comprising— List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3	Sir John Eliot.
Part V, comprising— The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea. Price Rs. 3	Fred. Chambers.
Part VI, comprising— On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Re. 1-8	S. A. Hill.
Part VII, comprising— The Arabian Sea cyclone of the 4th to the 13th June, 1887 . .	Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan Price Re. 1-8*	W. L. Dallas.
Part VIII, comprising— An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . Price Rs. 3*	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

† The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September 1901, and January to October 1902, are out of print.

‡ Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

¶ Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891—97, January 1898, 1899, 1900, 1901 (August excepted), January to May 1902, and January to April 1903, are out of print.

Continued on page iii of this cover.

GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

JUNE, 1905.

CONTENTS.

	Page
Introduction	157
Summary of the chief features of the weather in India during the month of June, 1905	157
Solar, Magnetic and Seismic Disturbances	159
Weather in the Indian Monsoon Region	161
Depressions and cyclonic storms of the month	163
Pressure	163
Temperature	165
Winds	171
Humidity and Cloud	174
Rainfall	178
Snowfall	184
II.—Kashmir and Punjab Himalayas	184
III.—United Provinces Himalayas	185
Crop Report	185
Table I.—Abstract of observations taken at 8 A.M. at 231 stations in India, Burma, etc., in June, 1905	ci
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 65 stations in India, Burma, etc., in June, 1905	cxv

Published by Authority of the Government of India,

UNDER THE DIRECTION OF

GILBERT T. WALKER, M.A., Sc.D., F.R.S.,

METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1905.

Price One Rupee.

LIBRARY
FEB 12 1906
Weather Bureau

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. (1883) . . . . . Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II. (1877) Price Rs. 5.*	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) . . Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Rs. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889. (1891) . . . . . Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. (1893) Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. (1875) . . . . . Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876. (1877) . . . . . Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877. (1879) Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888) . . . . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . . . . . Price Re. 1-8	W. L. Dallas.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . Price, each month, Re. 1 *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November 1900 to December 1905† Price, each month, Annas 4	Ditto.
Rainfall data of India for the years 1891—1903 (13 volumes). Price, for each year, Rs. 5 *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes)‡ . . . . . Price each Rs. 10	Ditto.
India Weather Review—Annual Summaries for the years 1891—1903 (13 parts) ¶ . . . . . Price each Rs. 3	Ditto.
Monthly Weather Reviews for each month, January 1891 to May 1905.§ . . . . . Price, each part, Re. 1	Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I, comprising—	
On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms.	Henry F. Blanford.
The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75.	
The diurnal variation of the barometer at Simla. Price Rs. 3*	
Part II, comprising—	
Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer . .	Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I; Calcutta and Hazaribagh. . . . Price Rs. 3*	Henry F. Blanford.
Part III, comprising—	
Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion . Price Rs. 3	Henry F. Blanford.
Part IV, comprising—	
The winds of Kurrachee . . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising—	
Some results of the meteorological observations taken at Allahabad during the ten years 1870—79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh. . . . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising—	
The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I, comprising—	
Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal . .	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . . . . Price Rs. 2	Fred. Chambers.
Part II, comprising—	
Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . Price Rs. 2	S. A. Hill.
Part III, comprising—	
Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2	Sir John Eliot.
Part IV, comprising—	
Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . Price Rs. 2	Ditto.
Part V, comprising—	
Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2.* — Henry F. Blanford.

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I, comprising—	
Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . .	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . .	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal . . . . . Price Rs. 3*	W. L. Dallas.
Part II, comprising—	
The False Point cyclone of September 22nd, 1885. Price Rs. 2	Alexander Pedler.
Part III, comprising—	
On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Re. 1-8	S. A. Hill.
Part IV, comprising—	
List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3	Sir John Eliot.
Part V, comprising—	
The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea . . . . . Price Rs. 3	Fred. Chambers.
Part VI, comprising—	
On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Re. 1-8	S. A. Hill.
Part VII, comprising—	
The Arabian Sea cyclone of the 4th to the 13th June, 1887 . .	Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan Price Re. 1-8*	W. L. Dallas.
Part VIII, comprising—	
An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . Price Rs. 3*	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

† The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September 1901, and January to October 1902, are out of print.

‡ Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

¶ Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891—97, January 1898, 1899, 1900, 1901 (August excepted), January to May 1902, and January to April 1903, are out of print.

Continued on page iii of this cover.

GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

JULY, 1905.

CONTENTS.

	Page
Introduction	187
Summary of the chief features of the weather in India during the month of July, 1905	187
Solar, Magnetic and Seismic Disturbances	189
Weather in Indian monsoon region	191
Depressions and cyclonic storms	192
Pressure	193
Temperature	195
Winds	201
Humidity and Cloud	204
Rainfall	207
Snowfall	216
I.—Afghan Mountain Districts	216
II.—Kashmir and Punjab Himalayas	216
III.—United Provinces Himalayas	217
Crop Report	217
Table I.—Abstract of observations taken at 8 A.M. at 233 stations in India, Burma, etc., in July, 1905	cxxi
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 65 stations in India, Burma, etc., in July, 1905	cxxxv

Published by Authority of the Government of India,

UNDER THE DIRECTION OF

GILBERT T. WALKER, M.A., Sc.D., F.R.S.,

METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1905.

Price One Rupee.

LIBRARY.
MAR 12 1906
Weather Bureau.

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. (1883). . . . . Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II. (1877) Price Rs. 5.*	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) . . Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Rs. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889, (1891) . . . . . Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. (1893) Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. (1875) . . . . . Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876. (1877) . . . . . Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877. (1879) Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888). . . . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . . . . . Price Re. 1-8	W. L. Dallas.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . Price, each month, Re. 1 *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November 1900 to January 1906† Price, each month, Annas 4	Ditto.
Rainfall data of India for the years 1891—1904 (14 volumes). Price, for each year, Rs. 5 *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes)‡ . . . . . Price each Rs. 10	Ditto.
India Weather Review—Annual Summaries for the years 1891—1903 (13 parts)¶ . . . . . Price each Rs. 3	Ditto.
Monthly Weather Reviews for each month, January 1891 to July 1905.§ . . . . . Price, each part, Re. 1	Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I, comprising— On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms. The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75. The diurnal variation of the barometer at Simla. Price Rs. 3*	Henry F. Blanford.
Part II, comprising— Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer . . .	Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I ; Calcutta and Hazaribagh. . . . Price Rs. 3*	Henry F. Blanford.
Part III, comprising— Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion . Price Rs. 3	Henry F. Blanford.
Part IV, comprising— The winds of Kurrachee . . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising— Some results of the meteorological observations taken at Allahabad during the ten years 1870—79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh. . . . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising— The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I, comprising— Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal . .	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . . . . Price Rs. 2	Fred. Chambers.
Part II, comprising— Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . Price Rs. 2	S. A. Hill.
Part III, comprising— Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2	Sir John Eliot.
Part IV, comprising— Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . . Price Rs. 2	Ditto.
Part V, comprising— Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2.*

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I, comprising— Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . .	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . .	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal . . . . . Price Rs. 3*	W. L. Dallas.
Part II, comprising— The False Point cyclone of September 22nd, 1885. Price Rs. 2	Alexander Pedler.
Part III, comprising— On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Re. 1-8	S. A. Hill.
Part IV, comprising— List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3	Sir John Eliot.
Part V, comprising— The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea . . . . . Price Rs. 3	Fred. Chambers.
Part VI, comprising— On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Re. 1-8	S. A. Hill.
Part VII, comprising— The Arabian Sea cyclone of the 4th to the 13th June, 1887 . .	Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan Price Re. 1-8*	W. L. Dallas.
Part VIII, comprising— An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . Price Rs. 3*	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

† The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September 1901, and January to October 1902, are out of print.

‡ Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

¶ Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891—97, January 1898, 1899, 1900, 1901 (August excepted), January to May 1902, and January to April 1903, are out of print.

Continued on page iii of this cover.

GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

AUGUST, 1905.

CONTENTS.

	Page
Introduction	219
Summary of the chief features of the weather in India during the month of August, 1905	219
Solar and Magnetic Disturbances	221
Weather in Indian Monsoon region	222
Depressions and Cyclonic storms	224
Pressure	224
Temperature	225
Winds	230
Humidity and Cloud	231
Rainfall	234
Snowfall	242
I.—Kashmir and Punjab Himalayas	242
II.—United Provinces Himalayas	242
Crop Report	242
Table I.—Abstract of observations taken at 8 A.M. at 232 stations in India, Burma, etc., in August, 1905	cxli
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 65 stations in India, Burma, etc., in August, 1905	cl ix

Published by Authority of the Government of India,

UNDER THE DIRECTION OF

J. PATTERSON, B.A.,

OFFICIATING METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

LIBRARY. JUN 18 1906 Weather Bureau.

CALCUTTA:

OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.

1906.

Price One Rupee.

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. (1883). . . . . Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II. (1877) Price Rs. 5 *	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) . . Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Re. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889, (1891) . . . . . Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. (1893) Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. (1875) . . . . . Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876. (1877) . . . . . Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877. (1879) Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888) . . . . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . . . . . Price Re. 1-8	W. L. Dallas.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . Price, each month, Re. 1 *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November 1900 to April 1906† Price, each month, Annas 4	Ditto.
Rainfall data of India for the years 1891—1904 (14 volumes). Price, for each year, Rs. 5 *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes)‡ . . . . . Price each Rs. 10	Ditto.
India Weather Review—Annual Summaries for the years 1891—1904 (14 parts) ¶ . . . . . Price each Rs. 3	Ditto.
Monthly Weather Reviews for each month, January 1891 to October 1905.§ . . . . . Price, each part, Re. 1	Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I, comprising— On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms. The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75. The diurnal variation of the barometer at Simla. Price Rs. 3*	Henry F. Blanford.
Part II, comprising— Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer . . .	Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I; Calcutta and Hazaribagh . . . . . Price Rs. 3*	Henry F. Blanford.
Part III, comprising— Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion . . . Price Rs. 3	Henry F. Blanford.
Part IV, comprising— The winds of Kurrachee . . . . . Price Rs. 3	Fred. Chamber
Part V, comprising— Some results of the meteorological observations taken at Allahabad during the ten years 1870—79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh . . . . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising— The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I, comprising— Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal . .	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . . . . . Price Rs. 2.	Fred. Chamber
Part II, comprising— Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . . . . Price Rs. 2	S. A. Hill.
Part III, comprising— Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2	Sir John Eliot.
Part IV, comprising— Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . Price Rs. 2	Ditto.
Part V, comprising— Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2.* — Henry F. Blanford.

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I, comprising— Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . .	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . .	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal . . . . . Price Rs. 3*	W. L. Dallas.
Part II, comprising— The False Point cyclone of September 22nd, 1885. Price Rs. 2	Alexander Pedler.
Part III, comprising— On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Re. 1-8	S. A. Hill.
Part IV, comprising— List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3	Sir John Eliot.
Part V, comprising— The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea . . . . . Price Rs. 3	Fred. Chamber
Part VI, comprising— On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Re. 1-8	S. A. Hill.
Part VII, comprising— The Arabian Sea cyclone of the 4th to the 13th June, 1887 . .	Fred. Chamber
On the Meteorology and Climatology of Northern Afghanistan Price Re. 1-8*	W. L. Dallas.
Part VIII, comprising— An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . Price Rs. 3*	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

† The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September 1901, and January to October 1902, are out of print.

‡ Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

¶ Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891—97, January 1898, 1899, 1900, 1901 (August excepted), January to May 1902, and January to April 1903, are out of print.

GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

SEPTEMBER, 1905.

CONTENTS.

	Page
Introduction	245
Summary of the chief features of the weather in India during the month of September, 1905	245
Solar and Magnetic Disturbances	247
Weather in the Indian Monsoon region	249
Depressions and cyclonic storms	250
Pressure	252
Temperature	253
Winds	261
Humidity and Cloud	263
Rainfall	267
Snowfall	275
I.—Kashmir and Punjab Himalayas	275
II.—United Provinces Himalayas	276
Crop Report	276
Table I.—Abstract of observations taken at 8 A.M. at 232 stations in India, Burma, etc., in September, 1905	clxv
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 65 stations in India, Burma, etc., in September, 1905	clxxix

Published by Authority of the Government of India,

UNDER THE DIRECTION OF

J. PATTERSON, B.A.,

OFFICIATING METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1906.

Price One Rupee.

LIBRARY. JUN 25 1906 Weather Bureau.

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. (1883) . . . . . Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II. (1877) Price Rs. 5 *	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) . . Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Rs. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889, (1891) . . . . . Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. (1893) Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. (1875) . . . . . Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876. (1877) . . . . . Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877. (1879) Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888) . . . . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . . . . . Price Re. 1-8	W. L. Dallas.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . Price, each month, Re. 1 *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November 1900 to March 1906† Price, each month, Annas 4	Ditto.
Rainfall data of India for the years 1891—1904 (14 volumes). Price, for each year, Rs. 5 *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes)‡ . . . . . Price each Rs. 10	Ditto.
India Weather Review—Annual Summaries for the years 1891—1903 (13 parts) ¶ . . . . . Price each Rs. 3	Ditto.
Monthly Weather Reviews for each month, January 1891 to September 1905.§ . . . . . Price, each part, Re. 1	Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I, comprising— On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms. The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75. The diurnal variation of the barometer at Simla. Price Rs. 3*	Henry F. Blanford.
Part II, comprising— Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer . . .	Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I; Calcutta and Hazaribagh. . . . Price Rs. 3*	Henry F. Blanford.
Part III, comprising— Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion . Price Rs. 3	Henry F. Blanford.
Part IV, comprising— The winds of Kurrachee . . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising— Some results of the meteorological observations taken at Allahabad during the ten years 1870—79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh. . . . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising— The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I, comprising— Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal . .	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . . . . Price Rs. 2	Fred. Chambers.
Part II, comprising— Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . Price Rs. 2	S. A. Hill.
Part III, comprising— Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2	Sir John Eliot.
Part IV, comprising— Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . Price Rs. 2	Ditto.
Part V, comprising— Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2.* — Henry F. Blanford.

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I, comprising— Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . .	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . .	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal . . . . . Price Rs. 3*	W. L. Dallas.
Part II, comprising— The False Point cyclone of September 22nd, 1885. Price Rs. 2	Alexander Pedler.
Part III, comprising— On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Re. 1-8	S. A. Hill.
Part IV, comprising— List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3	Sir John Eliot.
Part V, comprising— The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea . . . . . Price Rs. 3	Fred. Chambers.
Part VI, comprising— On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Re. 1-8	S. A. Hill.
Part VII, comprising— The Arabian Sea cyclone of the 4th to the 13th June, 1887 . .	Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan Price Re. 1-8*	W. L. Dallas.
Part VIII, comprising— An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . . Price Rs. 3*	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

† The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September 1901, and January to October 1902, are out of print.

‡ Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

¶ Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891—97, January 1898, 1899, 1900, 1901 (August excepted), January to May 1902, and January to April 1903, are out of print.

Continued on page iii of this cover.

GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

OCTOBER, 1905.

CONTENTS.

	Page
Introduction	279
Summary of the chief features of the weather in India during the month of October, 1905	279
Solar and Magnetic Disturbances	281
Weather in Indian Monsoon region	283
Depressions and Cyclonic storms	284
Pressure	285
Temperature	286
Winds	293
Humidity and Cloud	295
Rainfall	299
Snowfall	304
I.—Afghan Mountain Districts	304
Crop Report	304
Table I.—Abstract of observations taken at 8 A.M. at 230 stations in India, Burma, etc., in October, 1905	clxxxv
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 64 stations in India, Burma, etc., in October, 1905	cxcix

Published by Authority of the Government of India,

UNDER THE DIRECTION OF
J. PATTERSON, B.A.,
OFFICIATING METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1906.

Price One Rupee.

LIBRARY.
JUN 25 1906

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. (1883). . . . . Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II. (1877) Price Rs. 5 *	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) . . Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Re. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889. (1891) . . . . . Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. (1893) Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. (1875) . . . . . Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876. (1877) . . . . . Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877. (1879) Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888). . . . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . . . . . Price Re. 1-8	W. L. Dallas.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . Price, each month, Re. 1 *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November 1900 to May 1906† Price, each month, Annas 4	Ditto.
Rainfall data of India for the years 1891—1904 (14 volumes). Price, for each year, Rs. 5 *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes)‡ . . . . . Price each Rs. 10	Ditto.
India Weather Review—Annual Summaries for the years 1891—1903 (13 parts)¶ . . . . . Price each Rs. 3	Ditto.
Monthly Weather Reviews for each month, January 1891 to October 1905.§ . . . . . Price, each part, Re. 1	Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I, comprising— On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms. The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75. The diurnal variation of the barometer at Simla. Price Rs. 3*	Henry F. Blanford.
Part II, comprising— Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer . . .	Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I; Calcutta and Hazaribagh . . . . . Price Rs. 3*	Henry F. Blanford.
Part III, comprising— Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion . . . Price Rs. 3	Henry F. Blanford.
Part IV, comprising— The winds of Kurrachee . . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising— Some results of the meteorological observations taken at Allahabad during the ten years 1870—79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh . . . . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising— The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I, comprising— Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal . .	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . . . . . Price Rs. 2.	Fred. Chambers.
Part II, comprising— Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . . . . Price Rs. 2	S. A. Hill.
Part III, comprising— Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2	Sir John Eliot.
Part IV, comprising— Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . . Price Rs. 2	Ditto.
Part V, comprising— Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2.* — Henry F. Blanford.

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I, comprising— Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . .	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . .	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal . . . . . Price Rs. 3*	W. L. Dallas.
Part II, comprising— The False Point cyclone of September 22nd, 1885. Price Rs. 2	Alexander Pedler.
Part III, comprising— On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Re. 1-8	S. A. Hill.
Part IV, comprising— List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3	Sir John Eliot.
Part V, comprising— The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea . . . . . Price Rs. 3	Fred. Chambers.
Part VI, comprising— On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Re. 1-8	S. A. Hill.
Part VII, comprising— The Arabian Sea cyclone of the 4th to the 13th June, 1887 . .	Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan Price Re. 1-8*	W. L. Dallas.
Part VIII, comprising— An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . Price Rs. 3*	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

† The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September 1901, and January to October 1902, are out of print.

‡ Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

¶ Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891—97, January 1898, 1899, 1900, 1901 (August excepted), January to May 1902, and January to April 1903, are out of print.

Continued on page iii of this cover.

LIBRARY.
JUL 3 1906
Weather Bureau.

GOVERNMENT OF INDI .
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

NOVEMBER, 1905.

CONTENTS.

	Page
Introduction	307
Summary of the chief features of the weather in India during the month of November, 1905	307
Solar and Magnetic Disturbances	308
Weather in Indian Monsoon region	311
Depressions and Cyclonic storms	311
Pressure	311
Temperature	313
Winds	319
Humidity and Cloud	321
Rainfall	325
Snowfall	328
I.—Afghan Mountain	328
II.—Kashmir and Punjab Himalayas	328
III.—United Provinces Himalayas	328
Crop Report	328
Table I.—Abstract of observations taken at 8 A.M. at 229 stations in India, Burma, etc., in November, 1905	ccv
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 63 stations in India, Burma, etc., in November, 1905	ccxix

Published by Authority of the Government of India,

UNDER THE DIRECTION OF

GILBERT T. WALKER, M.A., Sc.D., F.R.S.,
METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1906.

Price One Rupee.

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. (1883). . . . . Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II. (1877) Price Rs. 5 *	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) . . Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Re. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889, (1891) . . . . . Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. (1893) Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. (1875) . . . . Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876. (1877) . . . . . Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877. (1879) Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888). . . . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . . . . . Price Re. 1-8	W. L. Dallas.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . Price, each month, Re. 1 *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November 1900 to May 1906† Price, each month, Annas 4	Ditto.
Rainfall data of India for the years 1891—1904 (14 volumes). Price, for each year, Rs. 5 *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes)‡ . . . . . Price each Rs. 10	Ditto.
India Weather Review—Annual Summaries for the years 1891—1904 (14 parts)¶ . . . . . Price each Rs. 3	Ditto.
Monthly Weather Reviews for each month, January 1891 to October 1905.§ . . . . . Price, each part, Re. 1	Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I, comprising— On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms. The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75. The diurnal variation of the barometer at Simla. Price Rs. 3*	Henry F. Blanford.
Part II, comprising— Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer	Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I; Calcutta and Hazaribagh . . . . . Price Rs. 3*	Henry F. Blanford.
Part III, comprising— Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion . . . Price Rs. 3	Henry F. Blanford.
Part IV, comprising— The winds of Kurrachee . . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising— Some results of the meteorological observations taken at Allahabad during the ten years 1870—79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh . . . . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising— The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I, comprising— Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal . .	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . . . . . Price Rs. 2.	Fred. Chambers.
Part II, comprising— Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . . . . Price Rs. 2	S. A. Hill.
Part III, comprising— Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2	Sir John Eliot.
Part IV, comprising— Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . Price Rs. 2	Ditto.
Part V, comprising— Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2.* — Henry F. Blanford.

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I, comprising— Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . .	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . .	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal. . . . . Price Rs. 3*	W. L. Dallas.
Part II, comprising— The False Point cyclone of September 22nd, 1885. Price Rs. 2	Alexander Pedler.
Part III, comprising— On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Re. 1-8	S. A. Hill.
Part IV, comprising— List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3	Sir John Eliot.
Part V, comprising— The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea . . . . . Price Rs. 3	Fred. Chambers.
Part VI, comprising— On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Re. 1-8	S. A. Hill.
Part VII, comprising— The Arabian Sea cyclone of the 4th to the 13th June, 1887 . .	Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan Price Re. 1-8*	W. L. Dallas.
Part VIII, comprising— An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . . Price Rs. 3*	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

† The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September 1901, and January to October 1902, are out of print.

‡ Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

¶ Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891—97, January 1898, 1899, 1900, 1901 (August excepted), January to May 1902, and January to April 1903, are out of print.

Continued on page iii of this cover.

GOVERNMENT OF INDIA.
METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW,

DECEMBER, 1905.

CONTENTS.

	Page
Introduction	331
Summary of the chief features of the weather in India during the month of December, 1905	331
Solar, seismic and magnetic Disturbances	333
Weather in Indian Monsoon region	335
Depressions and cyclonic storms	336
Pressure	336
Temperature	337
Winds	345
Humidity and Cloud	347
Rainfall	351
Snowfall	355
I.—Afghan Mountain Districts	355
II.—Kashmir and Punjab Himalayas	355
III.—United Provinces Himalayas	356
Crop Report	356
Table I.—Abstract of observations taken at 8 A.M. at 233 stations in India, Burma, etc., in December, 1905	ccxxv
Table II.—Abstract of observations recorded at 10 A.M. and 4 P.M. at 64 stations in India, Burma, etc., in December, 1905	ccxxxix

Published by Authority of the Government of India,

UNDER THE DIRECTION OF

GILBERT T. WALKER, M.A., Sc.D., F.R.S.,
METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA AND DIRECTOR-GENERAL OF INDIAN OBSERVATORIES.

CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1906.

Price One Rupee.

LIBRARY.
AUG 10 1906
Weather Bureau.

PUBLICATIONS OF THE INDIA METEOROLOGICAL DEPARTMENT.

The following is a list of the more important publications of the India Meteorological Department :—

The Indian Meteorologist's *Vade Mecum*, Part I, 2nd Edition. (1883). . . . . Price Rs. 3	Henry F. Blanford.
The Indian Meteorologist's *Vade Mecum*, Part II. (1877) Price Rs. 5 *	Ditto.
Instructions to Observers of the India Meteorological Department, 2nd Edition. (1902) . . . . . Price Rs. 3	Sir John Eliot.
Tables for the reduction of Meteorological Observations in India, 2nd Edition. (1889) . . . . . Price Rs. 2	Henry F. Blanford.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. I—Text. (1900) . . Price Rs. 4	Sir John Eliot.
Hand-book of Cyclonic storms in the Bay of Bengal for the use of sailors, 2nd Edition, Vol. II—Plates. (1901) . Price Re. 1-8	Ditto.
Cyclone Memoirs, Part I—Bay of Bengal Cyclone of May 20th to 28th, 1887. (1888) . . . . . Price Re. 1*	Ditto.
Cyclone Memoirs, Part II—Bay of Bengal Cyclone of August 21st to 28th, 1888. (1890) . . . . . Price Rs. 3	Ditto.
Cyclone Memoirs, Part III—Bay of Bengal Cyclones of September 13th to 20th, and October 27th to 31st, 1888, and Arabian Sea Cyclone of November 6th to 9th, 1888. (1890) . Price Rs. 5	Ditto.
Cyclone Memoirs, Part IV—An enquiry into the nature and course of storms in the Arabian Sea and a catalogue and brief history of all recorded storms in the Arabian Sea from 1848—1889, (1891) . . . . . Price Rs. 3	W. L. Dallas.
Cyclone Memoirs, Part V—Account of three Cyclones in the Bay of Bengal and Arabian Sea during November, 1891. (1893) Price Rs. 3	Sir John Eliot.
Report of the Midnapore and Burdwan Cyclone of the 15th and 16th of October, 1874. (1875) . . . . . Price Rs. 3*	W. G. Wilson.
Report of the Vizagapatam and Backergunge Cyclones of October, 1876. (1877) . . . . . Price Rs. 3*	Sir John Eliot.
Report on the Madras Cyclone of May, 1877. (1879) Price Rs. 3*	Ditto.
Monthly weather charts of the Bay of Bengal and adjacent sea north of the equator, showing mean pressure, winds and currents. (1886) . . . . . Price Rs. 5	Henry F. Blanford.
Monthly weather charts of the Arabian Sea and the adjacent portion of the North Indian Ocean, showing mean pressure, winds and currents. (1888). . . . . Price Rs. 5	Sir John Eliot.
Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. (1887) . . . . . Price Re. 1-8	W. L. Dallas.
Daily weather reports and charts of the Indian monsoon area for the years 1893 to 1899 . . Price, each month, Re. 1 *	Departmental.
Normal weather or pilot charts of the Indian monsoon area for 8 A.M. for each month, November, 1900, to July, 1906† Price, each month, Annas 4	Ditto.
Rainfall data of India for the years 1891—1904 (14 volumes). Price, for each year, Rs. 5 *	Ditto.
Reports on the Meteorology of India for the years 1875—1890 (16 volumes)‡ . . . . . Price each Rs. 10	Ditto.
India Weather Review—Annual Summaries for the years 1891—1904 (14 parts)¶ . . . . . Price each Rs. 3	Ditto.
Monthly Weather Reviews for each month, January, 1891, to November, 1905.§ . . . . . Price, each part, Re. 1	Ditto.

Indian Meteorological Memoirs, Vol. I, containing :—

Part I, comprising— On the winds of Calcutta—An analysis of ten years' hourly observations of the wind vane and four years' anemograms. The meteorology and climate of Yarkhand and Kashgar, being chiefly a discussion of registers kept by Dr. J. Scully in 1874-75. The diurnal variation of the barometer at Simla. Price Rs. 3*	Henry F. Blanford.
Part II, comprising— Storms in Bengal during the year 1876, accompanied with increased atmospheric pressure and the apparent reversal of the normal diurnal oscillation of the barometer . . .	Sir John Eliot.
On the rainfall of Benares considered in relation to the prevailing winds	S. A. Hill.
On the diurnal variation of the barometer at Indian stations, Part I; Calcutta and Hazaribagh . . . . . Price Rs. 3*	Henry F. Blanford.
Part III, comprising— Variation of rainfall in Northern India	S. A. Hill.
Meteorological and hypsometrical observations in Western Tibet, recorded by Dr. J. Scully, with a discussion . . . . Price Rs. 3	Henry F. Blanford.
Part IV, comprising— The winds of Kurrachee . . . . . Price Rs. 3	Fred. Chambers.
Part V, comprising— Some results of the meteorological observations taken at Allahabad during the ten years 1870—79	S. A. Hill.
The diurnal variation of the barometer at Indian stations, Part II, Goalpara, Patna and Leh . . . . . Price Rs. 3	Henry F. Blanford.
Part VI, comprising— The Meteorology of the North-West Himalaya . Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. II, containing :—

Part I, comprising— Account of south-west monsoon storm of the 18th to the 24th of September, 1878, in the north of the Bay of Bengal . .	Sir John Eliot.
List of cyclones on the West Coast of India and in the Arabian Sea up to the end of year 1881 . . . . . Price Rs. 2.	Fred. Chambers.
Part II, comprising— Note on the foregoing list of cyclones and on the Gujarat land-cyclone of July 11th to 13th, 1881	Henry F. Blanford.
On the temperature of North-Western India . . . . Price Rs. 2	S. A. Hill.
Part III, comprising— Account of the south-west monsoon storms of the 8th to the 19th October, 1882, in the Bay of Bengal . . . Price Rs. 2	Sir John Eliot.
Part IV, comprising— Account of south-west monsoon storms generated in the Bay of Bengal during the years 1877 to 1881 . . . Price Rs. 2	Ditto.
Part V, comprising— Observations of temperature and humidity at a height of 40 feet above the ground at Alipore Observatory, Calcutta. Price Re. 1	S. A. Hill.

Indian Meteorological Memoirs, Vol. III, containing a full discussion of the rainfall of India and cognate subjects, complete in 4 parts. Price, each part, Rs. 2.*

Henry F. Blanford.

Indian Meteorological Memoirs, Vol. IV, containing :—

Part I, comprising— Account of the south-west monsoon storm of the 12th to the 17th of May, 1884, in the Bay of Bengal and at Akyab . . .	Sir John Eliot.
On the diurnal variation of the rainfall at Calcutta . . .	Henry F. Blanford.
The meteorological features of the southern part of the Bay of Bengal. . . . . Price Rs. 3*	W. L. Dallas.
Part II, comprising— The False Point cyclone of September 22nd, 1885. Price Rs. 2	Alexander Pedler.
Part III, comprising— On the ground temperature observations made at the old observatory, Allahabad . . . . . Price Re. 1-8	S. A. Hill.
Part IV, comprising— List and brief account of the south-west monsoon storms generated in the Bay of Bengal during years 1882 to 1886 . Price Rs. 3	Sir John Eliot.
Part V, comprising— The cyclonic storms of November and December, 1886, in the Bay of Bengal	Ditto.
The cyclone of the 25th May to the 2nd June, 1881, in the Arabian Sea . . . . . Price Rs. 3	Fred. Chambers.
Part VI, comprising— On temperature and humidity observations made at Allahabad at various heights above the ground . . . Price Re. 1-8	S. A. Hill.
Part VII, comprising— The Arabian Sea cyclone of the 4th to the 13th June, 1887 . .	Fred. Chambers.
On the Meteorology and Climatology of Northern Afghanistan Price Re. 1-8*	W. L. Dallas.
Part VIII, comprising— An account of the more important cold weather storms in India during the years 1876 to 1891 . . . . Price Rs. 3*	Sir John Eliot.

* Copies of publications to the price of which an asterisk is appended are out of print.

† The Normal weather or pilot chart of the Indian monsoon area for 8 A.M. is a monthly publication. Copies for June, August and September, 1901, and January to October, 1902, are out of print.

‡ Copies of the Reports on the Meteorology of India for the years 1878 to 1881, 1884, 1887 and 1890 are out of print.

¶ Copies of the India Weather Reviews—Annual Summary for the years 1891 to 1903 are out of print.

§ The Monthly Weather Review is a monthly publication continuously published about 4 months after the month. Copies of Monthly Weather Review for 1891—97, January, 1898, 1899, 1900, 1901 (August to October and December excepted), January to May, 1902, and January to April, 1903, are out of print.

Continued on page iii of this cover.

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

INDIA WEATHER REVIEW.
ANNUAL SUMMARY, 1905.

CONTENTS.

	Page
Introduction	357
Solar, magnetic and seismic activity	359
Solar Radiation	362
Nocturnal Radiation	363
Temperature of the ground	364
Temperature	365
Atmospheric pressure	378
Winds	386
Humidity	389
Cloud	399
Snowfall	405
Rainfall	406
Concluding Summary	435
Table I.—Abstract of observations taken at 8 h., at 228 stations in India, Burma, etc., in the year 1905	ccxlv
Table II.—Abstract of observations taken at 10 h., and 16 h., at 64 stations in India, Burma, etc., in the year 1905	cclix
Corrigenda in India Monthly Weather Reviews for the year 1905	cclxv
List of Plates	cclxxvi
Plates I—V	...
Publications of the Department	cclxxvii

Published by authority of the Government of India.

UNDER THE DIRECTION OF

GILBERT T. WALKER, M.A., Sc.D., F.R.S.,

DIRECTOR GENERAL OF OBSERVATORIES.

1907

CALCUTTA:

OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.

1907.

Price Three Rupees.